

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Islam and science

C. K. Raju
Centre for Studies in Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Outline

Problem: generalities

Islamophobia

Colonialism

Christian triumphalism

Summary

Problems: science related

Summary

Islamophobia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Islamophobia matter of wide concern today.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Islamophobia

- ▶ Islamophobia matter of wide concern today.
- ▶ Matter of personal concern to me.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

[picture deleted due to Islamophobiaphobia!]

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia is actively encouraged by misinformation specialists.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia is actively encouraged by misinformation specialists.
- ▶ Part of process of demonisation of Islam encouraged by the West.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Colonialism began with Western education.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Colonialism began with Western education.
- ▶ No technological superiority.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Colonialism began with Western education.
- ▶ **No technological superiority.**
- ▶ West lacked military force to conquer India: kept idly dreaming of conquest for 250 years

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Colonialism began with Western education.
- ▶ **No technological superiority.**
- ▶ West lacked military force to conquer India: kept idly dreaming of conquest for 250 years
- ▶ from arrival of Vasco da Gama (1498) to

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ Colonialism began with Western education.
- ▶ **No technological superiority.**
- ▶ West lacked military force to conquer India: kept idly dreaming of conquest for 250 years
- ▶ from arrival of Vasco da Gama (1498) to
- ▶ Battle of Plassey (won by bribery).

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Western education

and Macaulay

- ▶ Western education introduced (by Macaulay in 1835) on the belief that the West is “immeasurably superior”

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Western education

and Macaulay

- ▶ Western education introduced (by Macaulay in 1835) on the belief that the West is “immeasurably superior”
- ▶ because it has science.

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Western education

and Macaulay

- ▶ Western education introduced (by Macaulay in 1835) on the belief that the West is “immeasurably superior”
- ▶ because it has science.
- ▶ The solution offered to the non-West was that we must imitate the West.

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Genesis of the belief

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Belief in cultural superiority (claim West is superior)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Genesis of the belief

- ▶ Belief in cultural superiority (claim West is superior)
- ▶ modified earlier belief in racist superiority (claim that Whites are superior)

Genesis of the belief

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Belief in cultural superiority (claim West is superior)
- ▶ modified earlier belief in racist superiority (claim that Whites are superior)
- ▶ which modified the still earlier belief in Christian superiority.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Common examples

- ▶ That belief in Western/White superiority very much persists today. Manifested by,

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Common examples

- ▶ That belief in Western/White superiority very much persists today. Manifested by,
- ▶ E.g. Salaries of white-skinned teachers in the middle east are higher.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Common examples

- ▶ That belief in Western/White superiority very much persists today. Manifested by,
- ▶ E.g. Salaries of white-skinned teachers in the middle east are higher.
- ▶ E.g. Wearing Western hijab in the heat in Malaysia.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Common examples

- ▶ That belief in Western/White superiority very much persists today. Manifested by,
- ▶ E.g. Salaries of white-skinned teachers in the middle east are higher.
- ▶ E.g. Wearing Western hijab in the heat in Malaysia.
- ▶ E.g. Using the Western calendar, etc.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Inferiority

the official position

- ▶ Even the **governments** of **all** Islamic countries insist on this inferiority

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Inferiority

the official position

- ▶ Even the **governments** of **all** Islamic countries insist on this inferiority
- ▶ ISI norm of publication mandatory for university teachers.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

Inferiority

the official position

- ▶ Even the **governments** of **all** Islamic countries insist on this inferiority
- ▶ ISI norm of publication mandatory for university teachers.
- ▶ Young generation grows up with the belief that all non-Western beliefs are inferior.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

Inferiority

the official position

- ▶ Even the **governments** of **all** Islamic countries insist on this inferiority
- ▶ ISI norm of publication mandatory for university teachers.
- ▶ Young generation grows up with the belief that all non-Western beliefs are inferior.
- ▶ That Islam itself is inferior.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Genesis of Islamophobia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia not because of 9/11.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Genesis of Islamophobia

- ▶ Islamophobia not because of 9/11.
- ▶ The other way around. 9/11 was probably engineered to generate it.

Genesis of Islamophobia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia not because of 9/11.
- ▶ The other way around. 9/11 was probably engineered to generate it.
- ▶ Post-Cold-War military strategy due to US military strategist Samuel Huntington

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Genesis of Islamophobia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia not because of 9/11.
- ▶ The other way around. 9/11 was probably engineered to generate it.
- ▶ Post-Cold-War military strategy due to US military strategist Samuel Huntington
- ▶ US has achieved physical domination. What it now needs is mental domination.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Clash of Civilisations

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Huntington's military strategy based on

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Clash of Civilisations

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Huntington's military strategy based on
- ▶ the Christian triumphalism of the historian Arnold Toynbee.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Clash of Civilisations

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Huntington's military strategy based on
- ▶ the Christian triumphalism of the historian Arnold Toynbee.
- ▶ That Christians will rule the world

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Clash of Civilisations

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Huntington's military strategy based on
- ▶ the Christian triumphalism of the historian Arnold Toynbee.
- ▶ That Christians will rule the world
- ▶ and eliminate all other religions.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

The church's religious wars

- ▶ Christian triumphalism originates from the church's religious wars.

The church's religious wars

- ▶ Christian triumphalism originates from the church's religious wars.
- ▶ The church has been fighting religious wars since the 4th c. when it destroyed all pagan temples.

The church's religious wars

- ▶ Christian triumphalism originates from the church's religious wars.
- ▶ The church has been fighting religious wars since the 4th c. when it destroyed all pagan temples.
- ▶ And eliminated all pagans in Europe.

Church's religious wars

contd

- ▶ Then the church turned to Muslims and fought the Crusades

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Church's religious wars

contd

- ▶ Then the church turned to Muslims and fought the Crusades
- ▶ from the 11th to the 16th c.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Church's religious wars

contd

- ▶ Then the church turned to Muslims and fought the Crusades
- ▶ from the 11th to the 16th c.
- ▶ The Crusades failed beyond Europe then,

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Church's religious wars

contd

- ▶ Then the church turned to Muslims and fought the Crusades
- ▶ from the 11th to the 16th c.
- ▶ The Crusades failed beyond Europe then,
- ▶ But Christian triumphalism succeeded elsewhere in Americas, and Australia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Church's religious wars

contd

- ▶ Then the church turned to Muslims and fought the Crusades
- ▶ from the 11th to the 16th c.
- ▶ The Crusades failed beyond Europe then,
- ▶ But Christian triumphalism succeeded elsewhere in Americas, and Australia
- ▶ where all non-Christians were eliminated as earlier in Europe.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Crusades today

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Today the Crusades against Muslims are succeeding.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Crusades today

- ▶ Today the Crusades against Muslims are succeeding.
- ▶ Muslim countries are being systematically destroyed: Palestine, Iraq, Afghanistan, Libya, Syria.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Crusades today

- ▶ Today the Crusades against Muslims are succeeding.
- ▶ Muslim countries are being systematically destroyed: Palestine, Iraq, Afghanistan, Libya, Syria.
- ▶ Or they are politically subjugated (Saudi Arabia, Egypt, via Israel).

Crusades today

- ▶ Today the Crusades against Muslims are succeeding.
- ▶ Muslim countries are being systematically destroyed: Palestine, Iraq, Afghanistan, Libya, Syria.
- ▶ Or they are politically subjugated (Saudi Arabia, Egypt, via Israel).
- ▶ Even Muslim holy places are under the control of the West.

Modern Crusades

contd

- ▶ The West has repeatedly shown the complete helplessness of Muslims against its physical power.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Modern Crusades

contd

- ▶ The West has repeatedly shown the complete helplessness of Muslims against its physical power.
- ▶ E.g. capture of Bin Laden from the capital of the best-armed Muslim country (Pakistan).

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

How will it end?

- ▶ Where is it headed?

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

How will it end?

- ▶ Where is it headed?
- ▶ Many earlier cases of cultural genocide.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

How will it end?

- ▶ Where is it headed?
- ▶ Many earlier cases of cultural genocide.
- ▶ Incas, Mayas, “red Indians”, Australian aborigines all never thought it would happen with them.

How will it end?

- ▶ Where is it headed?
- ▶ Many earlier cases of cultural genocide.
- ▶ Incas, Mayas, “red Indians”, Australian aborigines all never thought it would happen with them.
- ▶ E.g. Qorikancha





Attack on cultural symbols

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ E.g. precision bombing of Baghdad House of Wisdom

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Attack on cultural symbols

- ▶ E.g. precision bombing of Baghdad House of Wisdom
- ▶ Repeated insults to Paigambar.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia, colonialism, and Christian triumphalism are related.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia, colonialism, and Christian triumphalism are related.
- ▶ The aim of Christian triumphalism is not to kill all Muslims but to eliminate or marginalise Islam,

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Islamophobia, colonialism, and Christian triumphalism are related.
- ▶ The aim of Christian triumphalism is not to kill all Muslims but to eliminate or marginalise Islam,
- ▶ so that future generations will increasingly reject it just as the Maya today do not know whether they are Maya or Spanish.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Key question

- ▶ Is there anything YOU can do?

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Attack on Islam from science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West aims to use science to demonstrate that Islam is anti-science

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Attack on Islam from science

- ▶ The West aims to use science to demonstrate that Islam is anti-science
- ▶ hence inferior, and not valid knowledge.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Attack on Islam from science

- ▶ The West aims to use science to demonstrate that Islam is anti-science
- ▶ hence inferior, and not valid knowledge.
- ▶ Science is authorised knowledge.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Attack on Islam from science

- ▶ The West aims to use science to demonstrate that Islam is anti-science
- ▶ hence inferior, and not valid knowledge.
- ▶ Science is authorised knowledge.
- ▶ It is widely if not universally accepted.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Does science agree with Islam

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ You too accept science and say it agrees with Islam.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Does science agree with Islam

- ▶ You too accept science and say it agrees with Islam.
- ▶ How do you know?

You need a certificate from the West

- ▶ Through colonialism you have accepted that you are inferior to the West.

You need a certificate

from the West

- ▶ Through colonialism you have accepted that you are inferior to the West.
- ▶ Through the ISI norm your government has accepted that Muslim scientists are inferior

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

You need a certificate

from the West

- ▶ Through colonialism you have accepted that you are inferior to the West.
- ▶ Through the ISI norm your government has accepted that Muslim scientists are inferior
- ▶ what they say is credible only when certified by the West.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

You need a certificate

from the West

- ▶ Through colonialism you have accepted that you are inferior to the West.
- ▶ Through the ISI norm your government has accepted that Muslim scientists are inferior
- ▶ what they say is credible only when certified by the West.
- ▶ So, you need a certificate from the West to prove that what you call science is valid science and agrees with Islam.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

You need a certificate

from the West

- ▶ Through colonialism you have accepted that you are inferior to the West.
- ▶ Through the ISI norm your government has accepted that Muslim scientists are inferior
- ▶ what they say is credible only when certified by the West.
- ▶ So, you need a certificate from the West to prove that what you call science is valid science and agrees with Islam.
- ▶ **Have you got such a certificate?**

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Do you have a certificate?

- ▶ No.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Do you have a certificate?

- ▶ No.
- ▶ On the contrary in your best university a Christian preacher taught that science agrees with Christianity, and is against Islam.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Do you have a certificate?

- ▶ No.
- ▶ On the contrary in your best university a Christian preacher taught that science agrees with Christianity, and is against Islam.
- ▶ The majority of academics in the senate supported him.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Do you have a certificate?

- ▶ No.
- ▶ On the contrary in your best university a Christian preacher taught that science agrees with Christianity, and is against Islam.
- ▶ The majority of academics in the senate supported him.
- ▶ They said he has a PhD from a high ranking university: Cambridge. We value what he says

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

What did Cambridge do?

- ▶ I pointed out that he knew no science. (He trained in Singapore Christian College.)

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

What did Cambridge do?

- ▶ I pointed out that he knew no science. (He trained in Singapore Christian College.)
- ▶ Cambridge was a seminary formed for missionary activity

What did Cambridge do?

- ▶ I pointed out that he knew no science. (He trained in Singapore Christian College.)
- ▶ Cambridge was a seminary formed for missionary activity
- ▶ and gave him a PhD so that he could convert the classroom to a pulpit.

What did Cambridge do?

- ▶ I pointed out that he knew no science. (He trained in Singapore Christian College.)
- ▶ Cambridge was a seminary formed for missionary activity
- ▶ and gave him a PhD so that he could convert the classroom to a pulpit.
- ▶ After centuries of exploitation you still trust Cambridge!

What did the Senators do?

- ▶ Some people in the Department understood that the preacher knew nothing.

What did the Senators do?

- ▶ Some people in the Department understood that the preacher knew nothing.
- ▶ But the majority in the Senate was in his favour.

What did the Senators do?

- ▶ Some people in the Department understood that the preacher knew nothing.
- ▶ But the majority in the Senate was in his favour.
- ▶ They said we don't understand science, but we have full faith in the West.

What did the Senators do?

- ▶ Some people in the Department understood that the preacher knew nothing.
- ▶ But the majority in the Senate was in his favour.
- ▶ They said we don't understand science, but we have full faith in the West.
- ▶ They did not even understand that this was not an individual case, but part of systematic propaganda.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

If science as Western certification

then science is against Islam

- ▶ So, if by science you understand blind belief in the West

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

If science as Western certification

then science is against Islam

- ▶ So, if by science you understand blind belief in the West
- ▶ then science is against Islam.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

If science as Western certification

then science is against Islam

- ▶ So, if by science you understand blind belief in the West
- ▶ then science is against Islam.
- ▶ That science is contrary to Islam is being taught in courses in Malaysian universities.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

If science as Western certification

then science is against Islam

- ▶ So, if by science you understand blind belief in the West
- ▶ then science is against Islam.
- ▶ That science is contrary to Islam is being taught in courses in Malaysian universities.
- ▶ Important Muslims apparently approve.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.
- ▶ All objections were presented by Muslims, who are closely allied to the West.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.
- ▶ All objections were presented by Muslims, who are closely allied to the West.
 - ▶ Riazat Butt

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.
- ▶ All objections were presented by Muslims, who are closely allied to the West.
 - ▶ Riazat Butt
 - ▶ Pervez Hoodbhoy

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.
- ▶ All objections were presented by Muslims, who are closely allied to the West.
 - ▶ Riazat Butt
 - ▶ Pervez Hoodbhoy
 - ▶ Usama Hussain.

Similar attack in Guardian

- ▶ Same issues related to Islam and Science were taken up by the *Guardian*, London.
- ▶ All objections were presented by Muslims, who are closely allied to the West.
 - ▶ Riazat Butt
 - ▶ Pervez Hoodbhoy
 - ▶ Usama Hussain.
- ▶ The West sees this as a great way to fool people by playing Muslims against Muslims.

- ▶ She said Muslim scientists are in a state of denial.

- ▶ She said Muslim scientists are in a state of denial.
- ▶ Deny contradiction between their religious identity and their day job,

- ▶ She said Muslim scientists are in a state of denial.
- ▶ Deny contradiction between their religious identity and their day job,
- ▶ by keeping the two in separate compartments.

- ▶ She said Muslim scientists are in a state of denial.
- ▶ Deny contradiction between their religious identity and their day job,
- ▶ by keeping the two in separate compartments.
- ▶ “depressing. . . [and] wearing to hear the two are not incompatible”

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says
- ▶ despite a good start, Muslims fell behind just because

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says
- ▶ despite a good start, Muslims fell behind just because
- ▶ **Islam denies key premises needed for science**

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says
- ▶ despite a good start, Muslims fell behind just because
- ▶ **Islam denies key premises needed for science**
- ▶ belief in causality

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says
- ▶ despite a good start, Muslims fell behind just because
- ▶ **Islam denies key premises needed for science**
- ▶ belief in causality
- ▶ and “Laws of Nature”

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Pervez Hoodbhoy

Islam is anti-science

- ▶ Hoodbhoy, a Pakistani physicist, who has written a book on *Science and Islam*, says
- ▶ despite a good start, Muslims fell behind just because
- ▶ **Islam denies key premises needed for science**
- ▶ belief in causality
- ▶ and “Laws of Nature”
- ▶ since Muslims believe in divine intervention by Allah, e.g. in response to prayers.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Usama Hussain

All al Ghazali's fault

- ▶ Usama Hussain, a Cambridge-trained astronomer, says

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Usama Hussain

All al Ghazali's fault

- ▶ Usama Hussain, a Cambridge-trained astronomer, says
- ▶ al Ghazali is to blame

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Usama Hussain

All al Ghazali's fault

- ▶ Usama Hussain, a Cambridge-trained astronomer, says
- ▶ al Ghazali is to blame
- ▶ since it was he who first denied causality.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Usama Hussain

All al Ghazali's fault

- ▶ Usama Hussain, a Cambridge-trained astronomer, says
- ▶ al Ghazali is to blame
- ▶ since it was he who first denied causality.
- ▶ Let us understand this position.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Not limited to *Guardian*

- ▶ *Guardian*, London, is only publicising a widely held traditional position in the West.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Not limited to *Guardian*

- ▶ *Guardian*, London, is only publicising a widely held traditional position in the West.
- ▶ The same issues were involved in the course on History and Philosophy of Science in USM

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Not limited to *Guardian*

- ▶ *Guardian*, London, is only publicising a widely held traditional position in the West.
- ▶ The same issues were involved in the course on History and Philosophy of Science in USM
- ▶ which heavily emphasized “laws of nature” and “causality”.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Not limited to *Guardian*

- ▶ *Guardian*, London, is only publicising a widely held traditional position in the West.
- ▶ The same issues were involved in the course on History and Philosophy of Science in USM
- ▶ which heavily emphasized “laws of nature” and “causality”.
- ▶ (Minutes of the discussion posted online.)

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ All this involves deep issues which we will go into today.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ All this involves deep issues which we will go into today.
- ▶ But first let us take a bird's eye view.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Note that the attack is clearly against Islamic theology.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Note that the attack is clearly against Islamic theology.
- ▶ Blame is squarely on al Ghazali.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ It is admitted that the Islamic world had a golden age long ago.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ It is admitted that the Islamic world had a golden age long ago.
- ▶ The argument is that there was a decline since then

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ It is admitted that the Islamic world had a golden age long ago.
- ▶ The argument is that there was a decline since then
- ▶ **just because** Muslims have a wrong understanding of Islam which is contrary to science.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ It is admitted that the Islamic world had a golden age long ago.
- ▶ The argument is that there was a decline since then
- ▶ **just because** Muslims have a wrong understanding of Islam which is contrary to science.
- ▶ That is, not only are Muslims inferior, their understanding of Islam too is inferior.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

What is the answer

- ▶ USIM exists to answer this critique.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

What is the answer

- ▶ USIM exists to answer this critique.
- ▶ Did anyone here answer it?

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

What is the answer

- ▶ USIM exists to answer this critique.
- ▶ Did anyone here answer it?
- ▶ If so, what is the answer?

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

The Decolonisation answer

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Let me **outline** the decolonisation answer.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

The Decolonisation answer

- ▶ Let me **outline** the decolonisation answer.
- ▶ (Lots of details, which we we examine shortly.)

Answer: part 1

- ▶ Science did NOT develop in the West.

Answer: part 1

- ▶ Science did NOT develop in the West.
- ▶ Colonisation was founded on false church/racist/colonial history.

Answer: part 1

- ▶ Science did NOT develop in the West.
- ▶ Colonisation was founded on false church/racist/colonial history.
- ▶ Which the colonised never checked in two hundred years.

Answer: part 1

- ▶ Science did NOT develop in the West.
- ▶ Colonisation was founded on false church/racist/colonial history.
- ▶ Which the colonised never checked in two hundred years.
- ▶ Did you?

Answer: part 1

- ▶ Science did NOT develop in the West.
- ▶ Colonisation was founded on false church/racist/colonial history.
- ▶ Which the colonised never checked in two hundred years.
- ▶ Did you?
- ▶ Did anyone in Malaysia?

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ For example, Greeks did not develop any science.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ For example, Greeks did not develop any science.
- ▶ E.g. there was no Euclid nor any axiomatic method.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ For example, Greeks did not develop any science.
- ▶ E.g. there was no Euclid nor any axiomatic method.
- ▶ My Euclid challenge prize offers RM 10,000 for proof about Euclid.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ For example, Greeks did not develop any science.
- ▶ E.g. there was no Euclid nor any axiomatic method.
- ▶ My Euclid challenge prize offers RM 10,000 for proof about Euclid.
- ▶ Anyone here willing to accept it?

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ For example, Greeks did not develop any science.
- ▶ E.g. there was no Euclid nor any axiomatic method.
- ▶ My Euclid challenge prize offers RM 10,000 for proof about Euclid.
- ▶ Anyone here willing to accept it?
- ▶ (Other cases, Aristotle, Archimedes, etc. are similar.)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West initially stole science from Muslims.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West initially stole science from Muslims.
- ▶ The Greek church translated Arabic manuscripts from Baghdad (8th c. onwards).

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

- ▶ The West initially stole science from Muslims.
- ▶ The Greek church translated Arabic manuscripts from Baghdad (8th c. onwards).
- ▶ The Latin church translated Arabic manuscripts from Toledo (12th c. onwards).

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West initially stole science from Muslims.
- ▶ The Greek church translated Arabic manuscripts from Baghdad (8th c. onwards).
- ▶ The Latin church translated Arabic manuscripts from Toledo (12th c. onwards).
- ▶ (I say “stolen” because they never acknowledged the works of any non-Christian predecessor except to claim that it was all due to Greeks.)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Some of the knowledge in these Arabic books was from India.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Some of the knowledge in these Arabic books was from India.
- ▶ E.g., Al Khwarizmi's *Hisab al Hind* was about Indian arithmetic.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ Some of the knowledge in these Arabic books was from India.
- ▶ E.g., Al Khwarizmi's *Hisab al Hind* was about Indian arithmetic.
- ▶ His *Algebra* was based on the work of the 7th c. Brahmagupta.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West made foolish mistakes in understanding this stolen knowledge.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West made foolish mistakes in understanding this stolen knowledge.
- ▶ E.g. words like “sine”, “surd”, “trigonometry” in common used today.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West made foolish mistakes in understanding this stolen knowledge.
- ▶ E.g. words like “sine”, “surd”, “trigonometry” in common used today.
- ▶ Later the West stole science directly from Indians, Arabs and Chinese.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West made foolish mistakes in understanding this stolen knowledge.
- ▶ E.g. words like “sine”, “surd”, “trigonometry” in common used today.
- ▶ Later the West stole science directly from Indians, Arabs and Chinese.
- ▶ E.g. calculus from India was attributed to Newton,

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ The West made foolish mistakes in understanding this stolen knowledge.
- ▶ E.g. words like “sine”, “surd”, “trigonometry” in common used today.
- ▶ Later the West stole science directly from Indians, Arabs and Chinese.
- ▶ E.g. calculus from India was attributed to Newton,
- ▶ astronomy of Nasirudding Tusi and Ibn Shatir attributed to Copernicus, etc.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

- ▶ The West made foolish mistakes in understanding this stolen knowledge.
- ▶ E.g. words like “sine”, “surd”, “trigonometry” in common used today.
- ▶ Later the West stole science directly from Indians, Arabs and Chinese.
- ▶ E.g. calculus from India was attributed to Newton,
- ▶ astronomy of Nasirudding Tusi and Ibn Shatir attributed to Copernicus, etc.
- ▶ (For more details, see my MIT talk.)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West continues to steal and continues to make foolish mistakes.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West continues to steal and continues to make foolish mistakes.
- ▶ E.g. a former President of the Royal Society **twice** stole credit for my previously published work.

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West continues to steal and continues to make foolish mistakes.
- ▶ E.g. a former President of the Royal Society **twice** stole credit for my previously published work.
- ▶ once after he was informed.

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West continues to steal and continues to make foolish mistakes.
- ▶ E.g. a former President of the Royal Society **twice** stole credit for my previously published work.
- ▶ once after he was informed.
- ▶ He acknowledged my work only later.

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ The West continues to steal and continues to make foolish mistakes.
- ▶ E.g. a former President of the Royal Society **twice** stole credit for my previously published work.
- ▶ once after he was informed.
- ▶ He acknowledged my work only later.
- ▶ But the American Mathematical Society refused to publish my point about his foolish mistake.

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities
Islamophobia
Colonialism
Christian
triumphalism
Summary
Problems:
science related
Summary

Letters to the Editor

Retarded Differential Equations and Quantum Mechanics

G. W. Johnson and I wish to draw attention to the work of C. K. Raju that is related to some of the ideas discussed by Sir Michael Atiyah in his talk "The Nature of Space", which we reported on in the June/July 2006 issue of the *Notices*. Ideas suggesting a link between retarded differential equations and quantum mechanics were put forward some years ago by Raju, and we, along with Atiyah, believe they deserve attention. Interested readers are encouraged to read, in particular, the following papers written by Raju:

1. *Time: Towards a Consistent Theory*, Kluwer Academic, Dordrecht, 1994 (Fundamental Theories of Physics, vol. 65), ch. 5b "Electromagnetic time" (pp. 116-122), and ch. 6b "Quantum mechanical time" (pp. 161-189).

2. *The Eleven Pictures of Time*, Sage, 2003, pp. 298-302.

3. "The electrodynamic 2-body problem and the origin of quantum mechanics", *Foundations of Physics*, 34, (June 2004), 937-962.

—Mark E. Walker
University of Nebraska
mlwalker5@math.unl.edu

(Received December 29, 2006)

The Proof of the Poincaré Conjecture

In recent months there has been considerable attention devoted to the proof of the Poincaré conjecture that was started by Hamilton and completed by Perelman, both among mathematicians and in the media. Although most of the reports are largely true to fact, some incorporate false statements or innuendo which I believe are irresponsible. I am writing this letter to set the record straight.

Let me say first that the Hamilton-Perelman proof of the Poincaré conjecture is a great triumph for mathematics in general and for geometric analysis in particular. I am privileged to have participated in the nurturing of geometric analysis from its infancy

to its adulthood. There were the good old days when ideas were shared and new frontiers were explored. It was during this period that the Ricci flow was introduced and investigated by Hamilton. Thirty years later, geometric analysis has reached maturity, and the proof of the Poincaré conjecture is perhaps its most spectacular success to date. I expect many more successes to come.

The achievements of Hamilton and Perelman in solving the conjecture, especially their major breakthroughs on singularities of nonlinear parabolic systems and the structure theorem for 3-dimensional manifolds, are unparalleled. They far exceed the established standards for Fields Medals. I fully support, and have always said so, the award of the Fields Medal to Perelman. (In my view, Hamilton clearly deserves the Fields Medal also, but he is not eligible at this time because of the age restriction.) For anyone to suggest in words or a cartoon that my position has ever been anything but that is both offensive and completely untrue.

Proving the Poincaré conjecture is an intricate and daunting process. In a work of this scale, it is understandable that when Perelman released his manuscripts on arxiv.org, several key steps were merely sketched or outlined. These manuscripts posed a tremendous challenge for the math community to digest. For two years many top experts in the field of geometric analysis worked hard and made steady progress in understanding and clarifying Perelman's papers. At the end of 2005, Cao and Zhu completed a three-hundred-plus-pages manuscript that provided a complete account of the Hamilton-Perelman proof of the Poincaré conjecture. This paper provides the proof in a form that finally can be understood by researchers in the field.

This past summer while I was in China, I held a press conference and also gave a public lecture on the Poincaré conjecture. My press conference addressed a group of Chinese reporters. Its intention was to encourage young Chinese mathematicians and scientists to be more ambitious and seek the frontiers of research being done worldwide and not just in China.

Young mathematicians in China need not just encouragement but a better perspective of what the most exciting and promising directions of research are. My public lecture in Beijing on June 20 [2006] was addressed to the mathematics community and a large group of string theorists. In that talk I focused on the achievements of Hamilton and Perelman. Since Cao and Zhu managed to put together in writing the details of the deep ideas of Hamilton and Perelman, I praised them as well, hoping this would encourage their fellow mathematicians in China.

Over the years I have inherited from my teacher S. S. Chern the strong belief that it is the duty of any mature mathematician to train the next generation. Since he and I both come from China and there are many talented young Chinese mathematicians who are not exposed to modern mathematics, we have spent a lot of time helping mathematicians and students in China. We devoted a lot of time discussing the challenges and working together to address them. Thanks to his leadership, there are now many outstanding Chinese-trained mathematicians in Western universities. Over the last twenty years, Chern and I have also been trying to develop mathematics within Chinese universities. Because of the Cultural Revolution, the recovery has been slow. But thanks also to the help of many friends from the West, the situation is improving.

There have been uninformed reports on how the Cao-Zhu paper was handled by the *Asian Journal of Mathematics*, as well as on the joint work by Lian, Liu, and me on the mirror symmetry conjecture. Regarding the former, rumor has it that the normal peer review process had been tossed out the window. On the contrary, it took the journal several months to go through the established process until the paper was accepted for publication. After receiving the submission in December 2005, I asked, without success, several leading experts on geometric flows, including Perelman, if they would referee the paper. Under the circumstances, I myself took on the referee's task. After attending more than sixty hours of

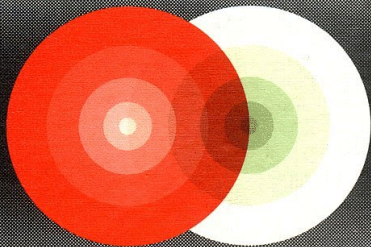


Time: Towards a Consistent Theory

by

C. K. Raju

Kluwer Academic Publishers



Fundamental Theories of Physics

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary



The Eleven Pictures of Time

*The Physics, Philosophy, and
Politics of Time Beliefs*



C. K. Raju

Islam and science

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ My epistemic test: students who copy make mistakes.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ My epistemic test: students who copy make mistakes.
- ▶ Anyway, the West again failed to understand the stolen knowledge (after the 15th c.),

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ My epistemic test: students who copy make mistakes.
- ▶ Anyway, the West again failed to understand the stolen knowledge (after the 15th c.),
- ▶ particularly subtle issues such as that of infinity in calculus.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Because of church pressure

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Because of church pressure
- ▶ the stolen knowledge (and not only its origin) had to be made theologically correct

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Because of church pressure
- ▶ the stolen knowledge (and not only its origin) had to be made theologically correct
- ▶ the way “Aristotle” was made compatible with church theology.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ This inferior Western understanding of science mixed with theology

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

- ▶ This inferior Western understanding of science mixed with theology
- ▶ was just declared superior and returned through colonial education.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ This inferior Western understanding of science mixed with theology
- ▶ was just declared superior and returned through colonial education.
- ▶ We never checked that claim of superiority

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ This inferior Western understanding of science mixed with theology
- ▶ was just declared superior and returned through colonial education.
- ▶ We never checked that claim of superiority
- ▶ just as we never checked false Western history.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Western/colonial science is deeply influenced by church dogmas

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ Western/colonial science is deeply influenced by church dogmas
- ▶ and is hence against other religious beliefs

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ Western/colonial science is deeply influenced by church dogmas
- ▶ and is hence against other religious beliefs
- ▶ Western/colonial science IS against Islam.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

- ▶ So, the solution is not to say there is no conflict between science and Islam

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ So, the solution is not to say there is no conflict between science and Islam
- ▶ but to change science, not Islam

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ So, the solution is not to say there is no conflict between science and Islam
- ▶ but to change science, not Islam
- ▶ How?

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ So, the solution is not to say there is no conflict between science and Islam
- ▶ but to change science, not Islam
- ▶ How?
- ▶ Not by rejecting it wholesale, but by critically examining it, and eliminating the church dogma in present-day math and science.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ So, the solution is not to say there is no conflict between science and Islam
- ▶ but to change science, not Islam
- ▶ How?
- ▶ Not by rejecting it wholesale, but by critically examining it, and eliminating the church dogma in present-day math and science.
- ▶ This is what we have been saying all along: be critical choose what is best.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary



LETTER

letter@thesunday.com

Be critical and choose what is best

THIS refers to "Eat, wear, what's best?" Kalam said by K.J. Somaiya, Aug 18), which turned a whole group of scholars into emotional and controversial by giving a steady distorted account of the education at the deobandulation academy. The comments at the conference may that, while the critical rejection of the west may be a critical one, and choose what is best.

For example, our legal system copies the west. As I had Farooq further pointed out, judges are required to be trained in British law, and need not know even the Malayan constitution. The demand to correct such anomalies is neither essential nor correct. It is a clear case where applying the west harms our interests.

In the US military strategist Huntington clearly said, using the west being the colonized former under western rule.

At the conference, I suggested con-

crete reforms to the western maths and science curriculum, because that needs to be practical advantages. In maths, I hope parents we should teach calculus under levels. This makes maths easy, so non-maths students can do advanced maths, while maths students can solve harder problems.

This has many practical benefits. For example, if engineers practically understand the complex mathematics of risk, that would help them avoid over-engineer-

ing, like those which led to the sub-prime crisis.

I also proposed we teach better science using functional differential equations, and pointed to its practical advantage over Newton's "laws" for quantum computing, biochemistry, space flight, and genetic structure. We should adopt both these proposals simply because they work better.

But no course the colonialist trap. How do we implement the new curriculum in our schools and universities? Western education has assumed that most people remain mathematically weak and scientifically illiterate. So, they are forced to rely on experts.

Our "experts" are all trained in the western tradition, and our method of engineering expertise is to trust western endorsement, so our experts are wholly dependent on the west.

It is a great conflict of interest for them to admit the western method is inferior. We have no proceedings, such as public debate, to ensure transparency, and "experts" typically take decisions behind closed doors. The colonialist trap makes it difficult for us to do what is good for us.

Now, every institution needs western approval, that systematically gives the west the first chance to grab that innovation and its benefits. The way a former president of the Royal Society refused to grant credit for my above recommendations to use functional differential equations, the second time, after he had been explicitly informed about it. (Please see the historical acknowledgment of my work at <http://www.emergentgroup.com/2009/06/02/concometary-web.pdf>, second page, and the finding of a prime factor case against him at <http://www.scientificamerican.org/cases.html>, case no. 2 of 2007, Atiyah-Bagdasarian.)

However, this is an even deeper problem. The religious bias in my earlier administration led because Christian ideology got mixed with mathematics in the west.

People attracted by this claim are usually unaware that the very word mathematics derives from "mathema", a term related with deep religious meaning and related to the soul and its part lost by forgotten in heaven dialogue with the slave boy in Plato's Meno.

Although early Christians had similar beliefs about the soul, the post-Nicene church copied the belief, and treated philosophers such as Proclus, calling them heretics (which allowed killing them) because they used the word mathematics to reject the Christian doctrine of creation.

So, we can see how mathematics got into the dead centre of the vicious religious war waged against "pagans" beginning in the fourth century.

The west religious war, the Crusades against the Muslims, failed miserably beyond Spain, and the church looked for means to convert Muslims who did not accept the Christian scriptures, and could not be converted by force, with "pagans". Some Muslims accepted eastern legislation. Against and his schoolmate advised a Christian theology of reason, to convert them.

Mathematics was now accepted back by the church, but discon-

nected from "soul", and mostly as a tool to teach reason. I have explained some of this in "The Religion Roots of Mathematics" (Theory, Culture and Society, 2006) available from <http://dx.doi.org/10.1007/s11067-006-9100-9> and my book *Crash Course Philosophy of Mathematics* (Pearson, 2007).

The western claim to ownership of rationality is incorrect, as further explained in my article *Renowned's Maledictus*, in *Indian Journal of Theology*, 2007, available from <http://www.iajournals.com/issue/india-theology-2007/india-theology-2007-02-01-01> and my article *Crash Course Philosophy of Mathematics* (Pearson, 2007).

Current western formalist rationality development of that post-Cartesian logic of reason. The claim of the west to possess practical (or) relevant for any practical application of maths, such as engineering, is false, and which require maths to be cultivated.

So, expecting formalism will not hurt the practical application of maths at all. To the contrary, it makes maths easy, and enhances the ability of students to apply it to more complex practical problems.

However, the west is deeply invested into that formalist metaphysics which breeds a pro-Christ and anti-Mullin, neo-Buddhist, anti-Islamist etc. line.

That, I believe, assumes that metaphysical growth was more transitory than epistemological, contrary to all Indian philosophical forms.

(ii) For centuries, the western philosophy of creation, mistakenly assumed that that logic is universal, though Buddhist and Jain logic are different, like quantum logic. (See a preface "Logic" in the Springer *Encyclopedia of Western Science*, 2008, available from <http://dx.doi.org/10.1007/978-1-4020-6881-9>.)

(iii) Though from maths can, in principle, begin from any problem, students are taught only those postulates of arithmetic laid down by western mathematicians.

These are incompatible with Islamic beliefs about ontology and computer arithmetic, which latter is defined as reason. More details are in my paper (in Science and Culture, 2011) on "Formal mathematics as a biased metaphysics" at <http://dx.doi.org/10.1007/s11464-011-9400-1>.

The religion has in present-day maths taught in teaching environments in a narrow, overly the Hindu and Muslim countries, but do not permit a pro-Christian bias. So, its teaching may be immediately changed across schools and universities.

The change I suggested is better also from a purely practical perspective. This, the correct position is the exact opposite of what John stated namely, that we want to change the educational system for our pragmatic benefit, and to deconstruct western maths and science. Now that the position has been clarified, I hope to see gains on in our endeavour.

C. K. Raju
Visiting Professor
School of Mathematical
Universiti Sains Malaysia

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
<http://ckraju.net>

Problem:
generalities
Islamophobia
Colonialism

Christian
triumphalism
Summary

Problems:
science related
Summary

Answer to “it works”

“it works better”

- ▶ My students who don't know science were worried.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Answer to “it works”

“it works better”

- ▶ My students who don't know science were worried.
- ▶ They said “it works”.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Answer to “it works”

“it works better”

- ▶ My students who don't know science were worried.
- ▶ They said “it works”.
- ▶ However, Western science is a cocktail of practical value and dogma.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Answer to “it works”

“it works better”

- ▶ My students who don't know science were worried.
- ▶ They said “it works”.
- ▶ However, Western science is a cocktail of practical value and dogma.
- ▶ Decolonisation proposes to retain what works (often practical value from the non-West) and reject what does not (the church dogma).

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

Answer to “it works”

“it works better”

- ▶ My students who don't know science were worried.
- ▶ They said “it works”.
- ▶ However, Western science is a cocktail of practical value and dogma.
- ▶ Decolonisation proposes to retain what works (often practical value from the non-West) and reject what does not (the church dogma).
- ▶ Decolonised math and science **works better**.

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
http:
//ckraju.net

- ▶ Current (Western) science is against Islam. Let us accept that.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Current (Western) science is against Islam. Let us accept that.
- ▶ It is against Islam just because it is mixed-up with church dogma and is a cocktail of practical value and dogma.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Current (Western) science is against Islam. Let us accept that.
- ▶ It is against Islam just because it is mixed-up with church dogma and is a cocktail of practical value and dogma.
- ▶ To solve the problem we need our own science free from Western dogmas.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Current (Western) science is against Islam. Let us accept that.
- ▶ It is against Islam just because it is mixed-up with church dogma and is a cocktail of practical value and dogma.
- ▶ To solve the problem we need our own science free from Western dogmas.
- ▶ So, the first step is to decolonise: recognize that valid science is to be decided by us, not the West.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Thus solution is to change the understanding of math and science.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Thus solution is to change the understanding of math and science.
- ▶ I want to tell you how I have changed math and physics, and how the result is compatible with Islam.

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary

C. K. Raju
Centre for
Studies in
Civilizations
New Delhi
[http:
//ckraju.net](http://ckraju.net)

- ▶ Thus solution is to change the understanding of math and science.
- ▶ I want to tell you how I have changed math and physics, and how the result is compatible with Islam.
- ▶ Two key points of compatibility relate to numbers (discrete numbers vs continuum) and creation (continuous creation vs big bang).

Problem:
generalities

Islamophobia
Colonialism

Christian
triumphalism

Summary

Problems:
science related

Summary