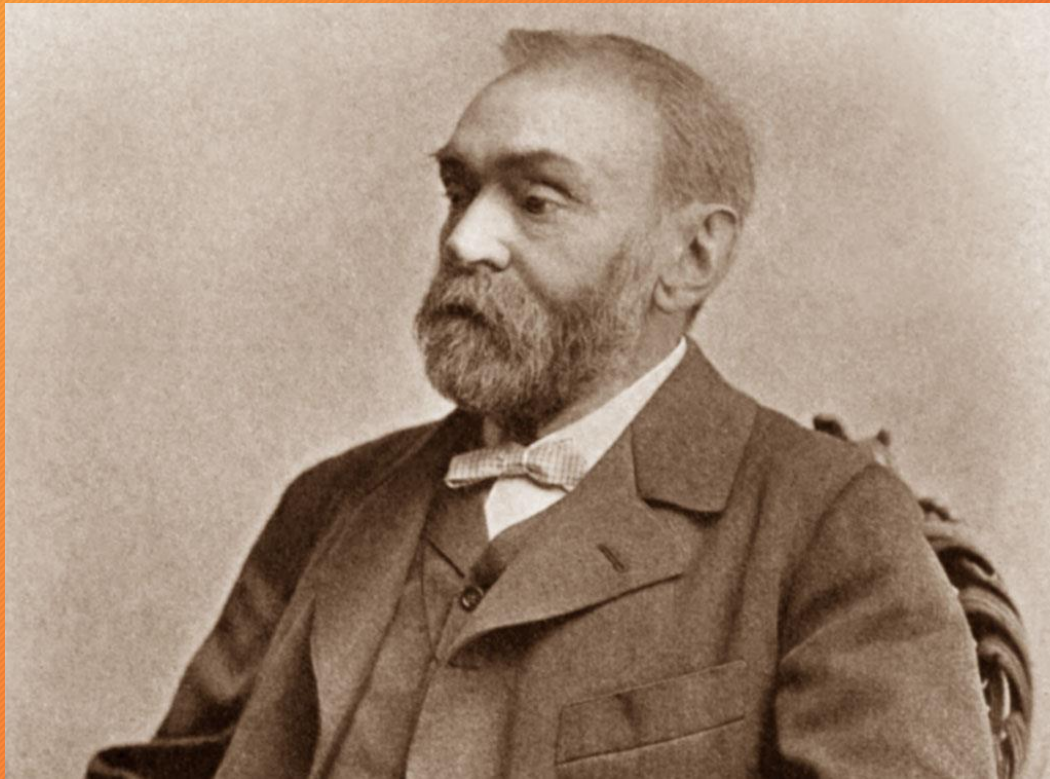# Fields Medals

Alberto Conte

Accademia delle Scienze di Torino

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NAISSMA 2022

The Nobel Prize

- No Nobel Prize in Mathematics?
- Unbelievable!!!
- But true!

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Why?

Alfred Nobel

Alberto Conte – NAISSMA

Gösta Mittag-Leffler

The International Medal for Outstanding Discoveries in Mathematics
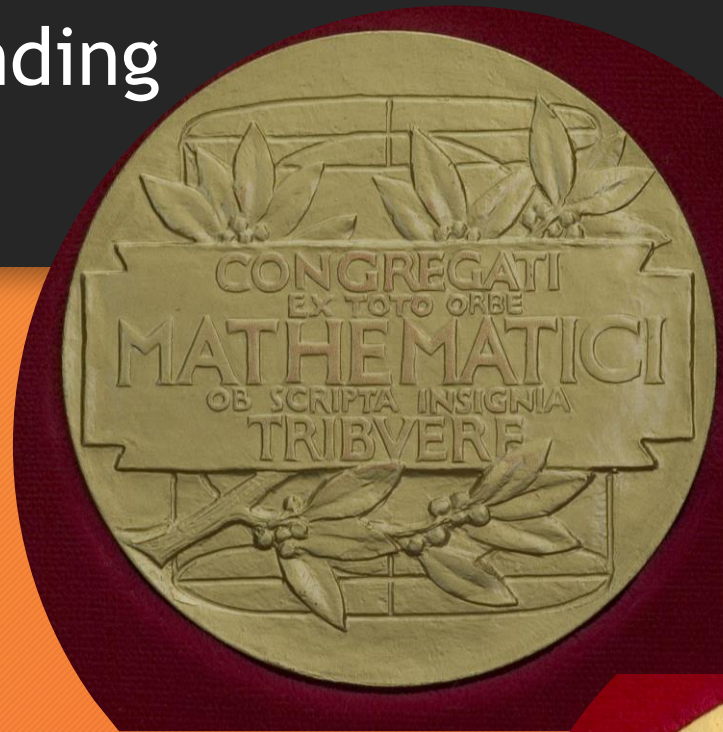(Toronto, 1924)

The reverse of the Fields Medal
"Congregati ex toto orbe Mathematici ob scripta insignia tribuere."
["Mathematicians gathered from the entire world have awarded (this prize) for outstanding writings."]

John Charles Fields

The obverse of the Fields Medal
"Transire suum pectus mundoque potiri."
["Rise above oneself and grasp the world."]

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68 Medals From 24 Countries (+ 1 Apolide) From **4** Continents

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14
12
9
7
3
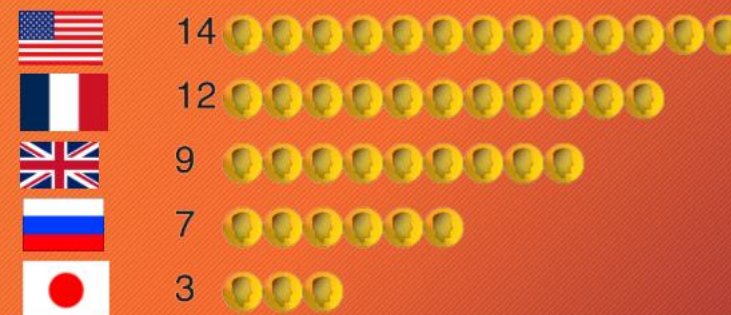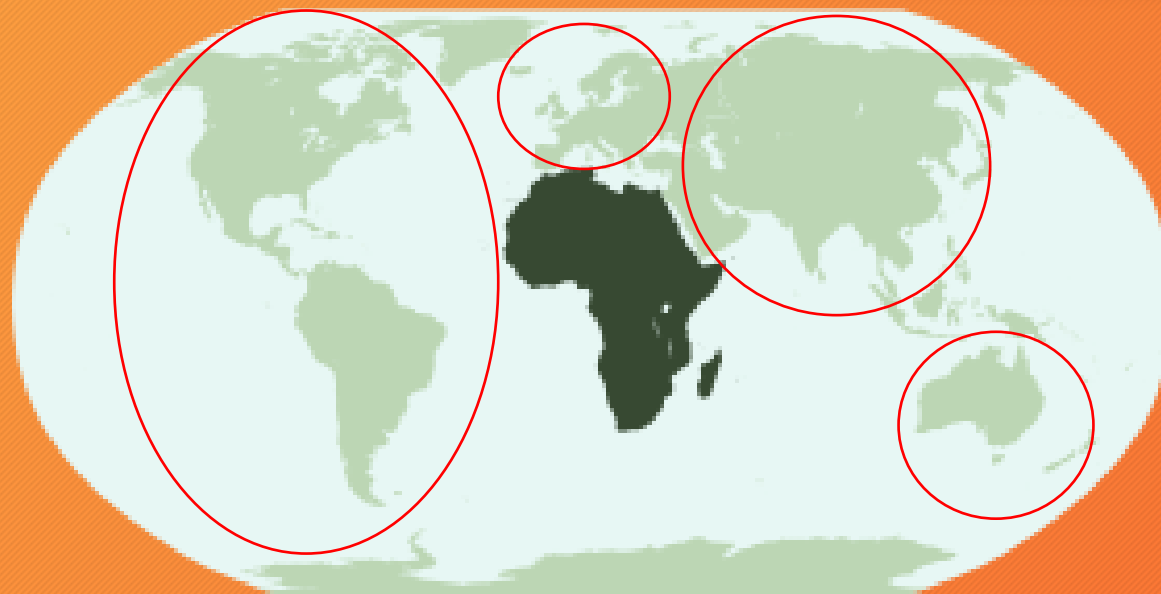
The Abel Prize (2003)

Niels Abel

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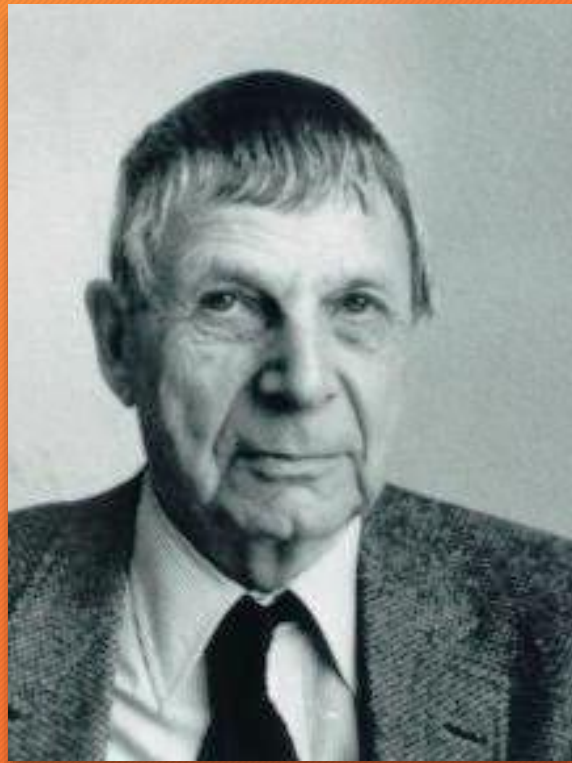
The First Medalists (Oslo, 1936)

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Lars Ahlfors

Jesse Douglas

The Youngest Medalist (Amsterdam 1954)

- Serre is also, up to now, the only mathematician to whom were awarded both the Fields Medal and the Abel Prize.
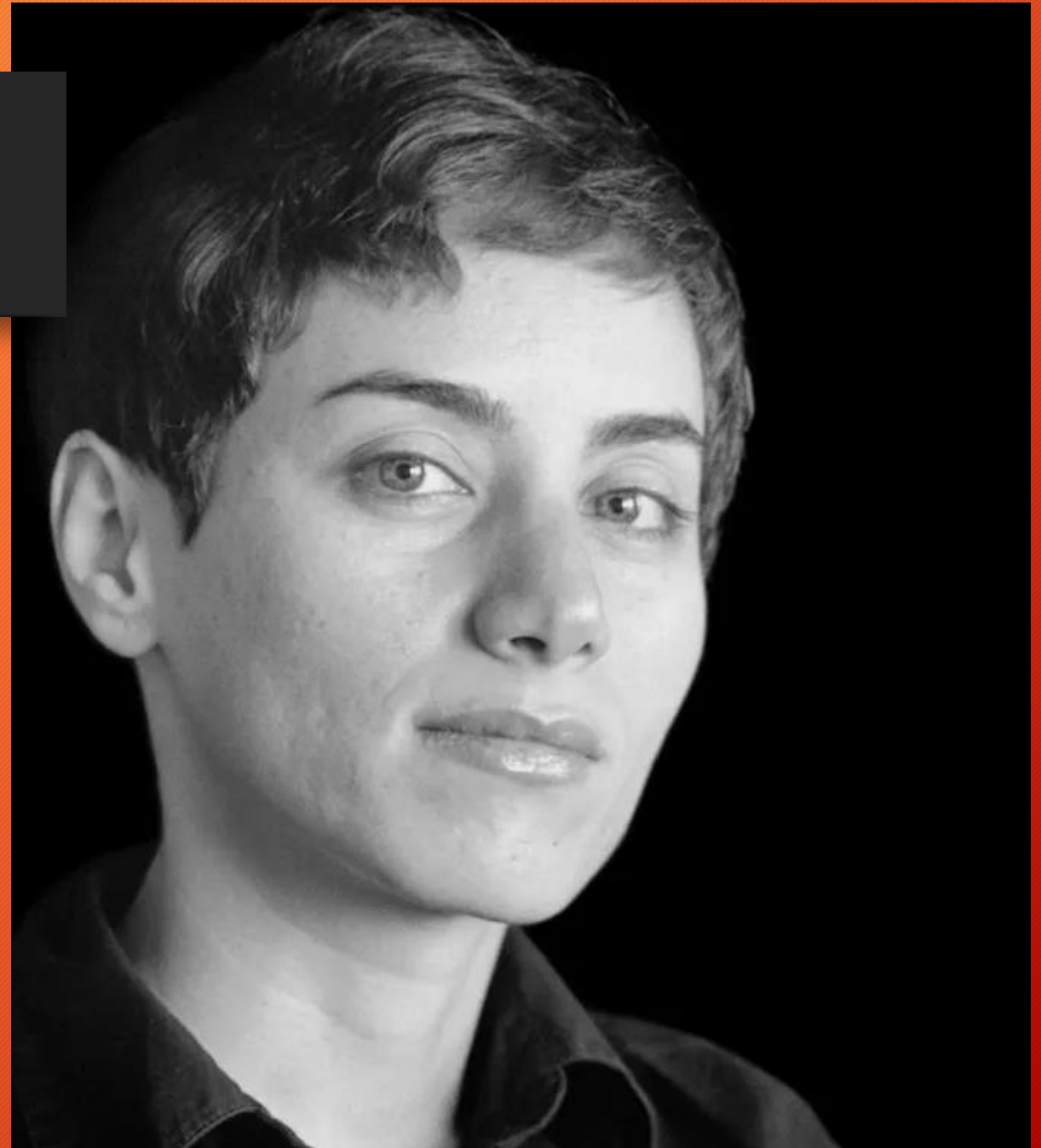
Jean-Pierre Serre

The First Woman
(Seoul, 2014)

- In 2014 Maryam was already seriously ill. She died on the 15th July 2017 at the age of 40 years.

Maryam Mirzakhani
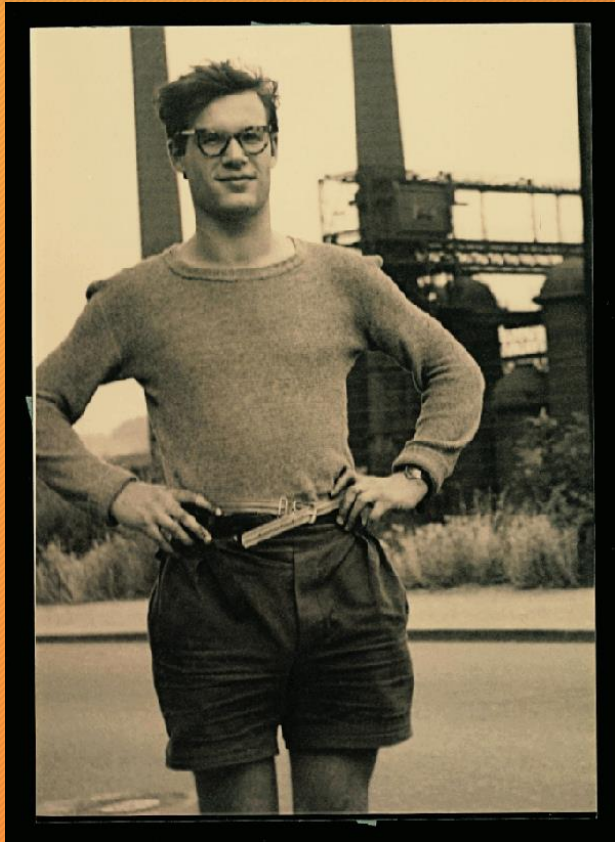
The Second Woman
(Helsinki, 2022)

- Maryna is a Ukrainian mathematician teaching at the Federal Polytechnic of Lausanne (Switzerland).

Maryna Viazovska

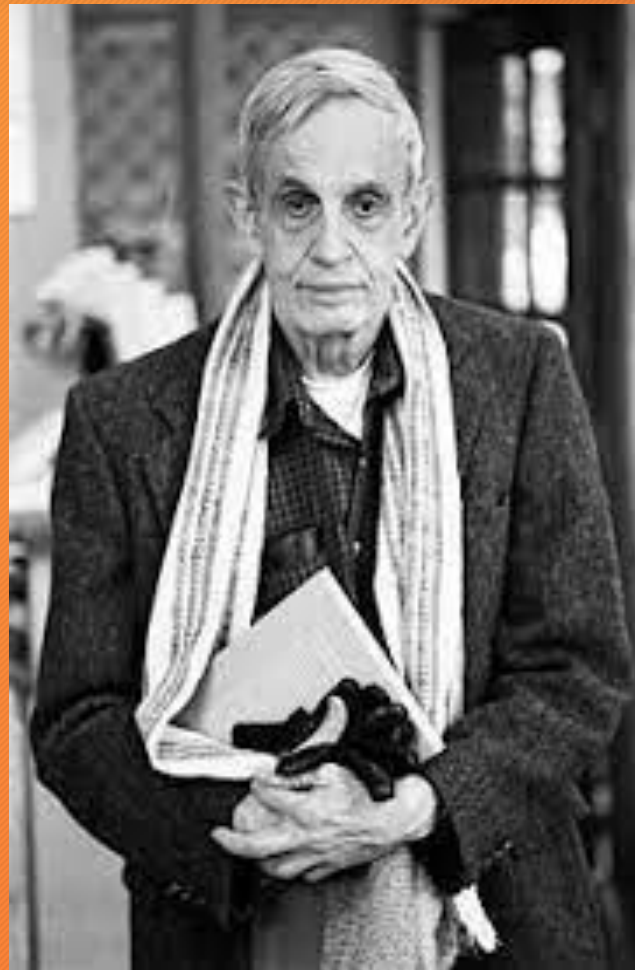Alberto Conte – NAISSMA

The Genius of Mathematics
(Moscow, 1966)

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Alexander Grothendieck

The Non-Fields Medals

John Nash

Ennio De Giorgi
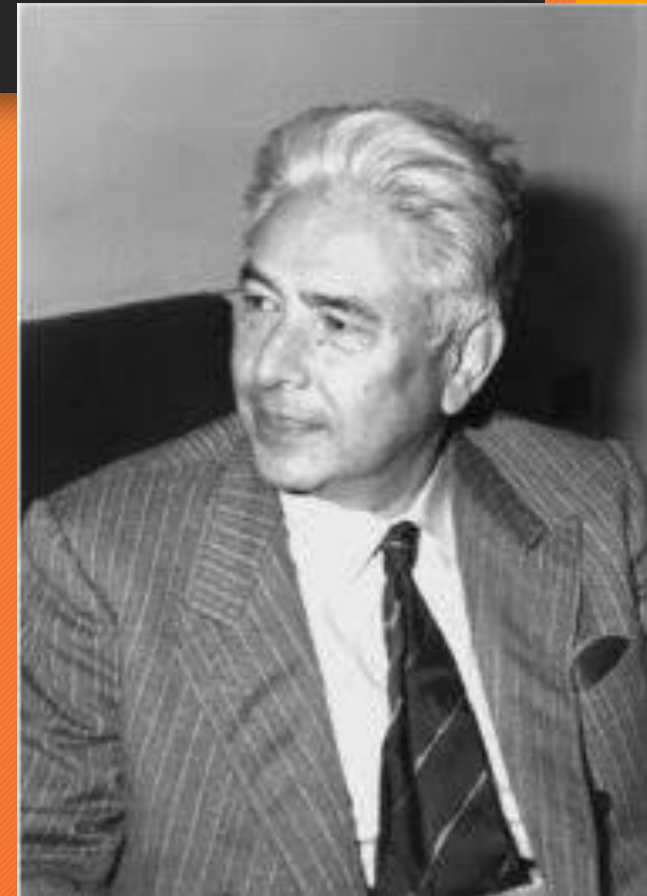
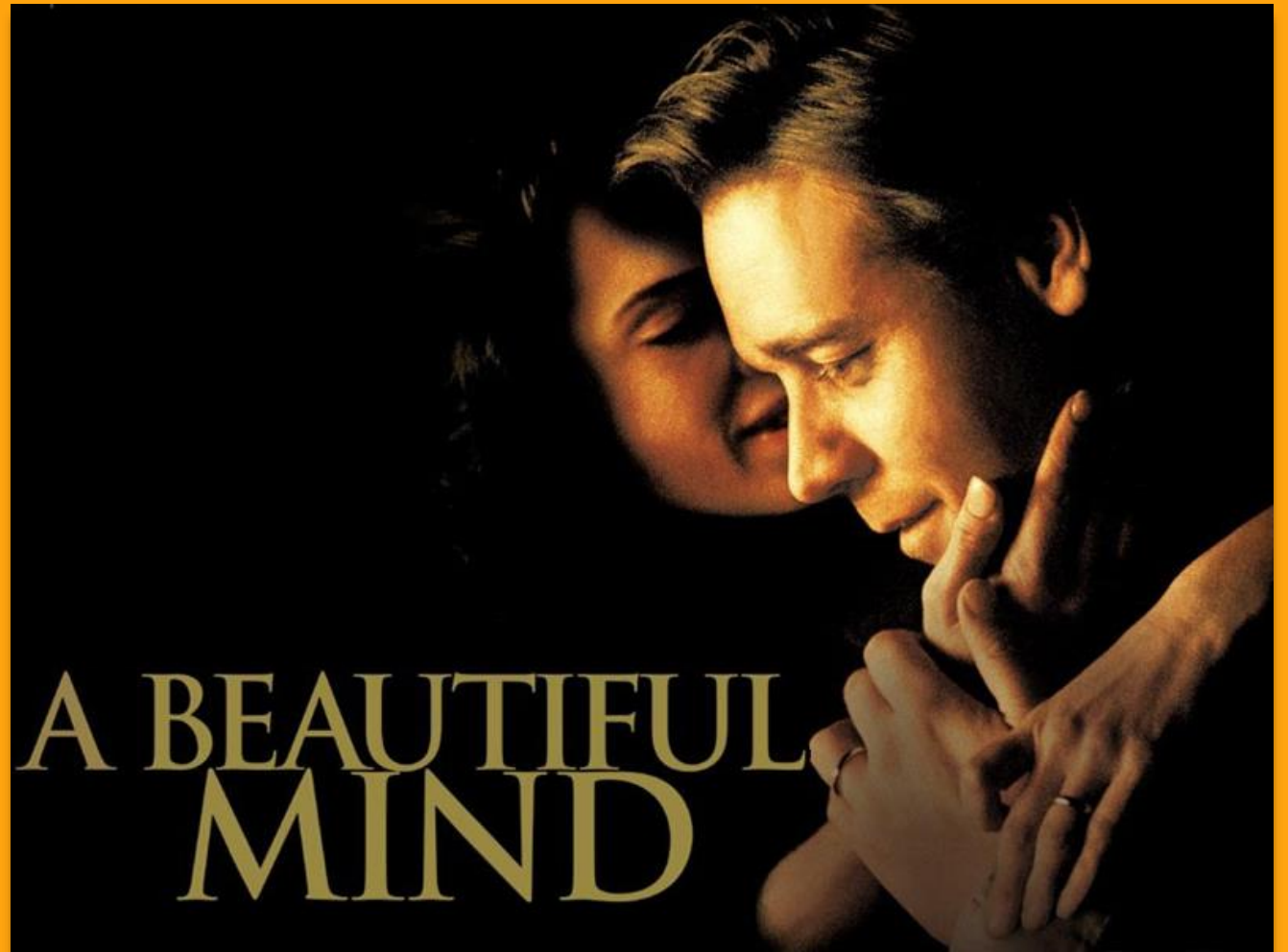Alberto Conte – NAISSMA

A Beautiful Mind I

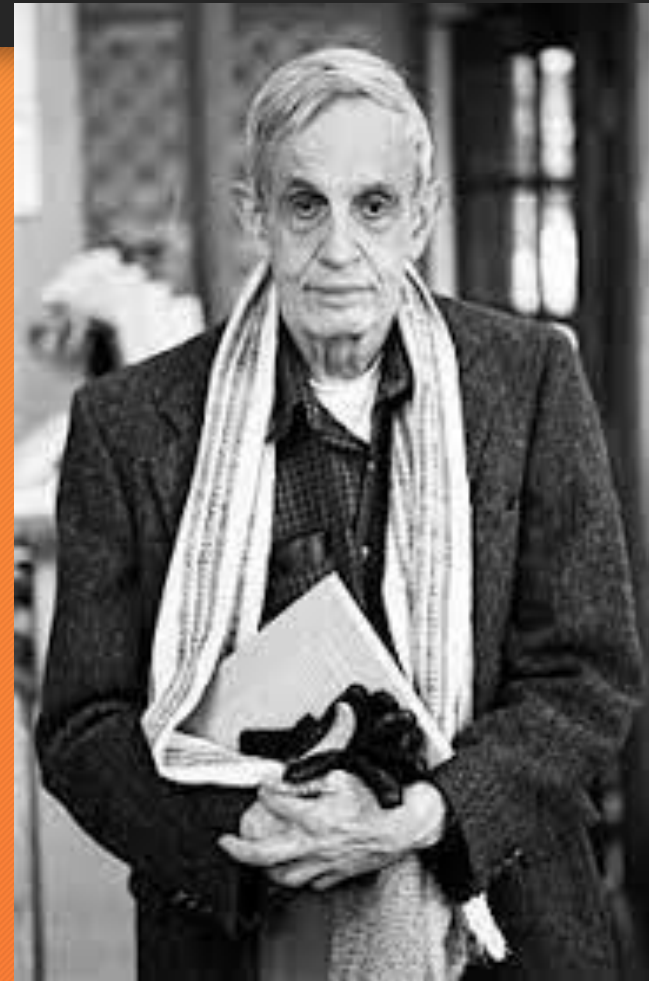Alberto Conte – NAISSMA

A Beautiful Mind II

Alberto Conte – NAISSMA

John Nash

Hanc Marginis Exiguitas Non Caperet

Pierre de Fermat (1601-65)

Fermat's Last Theorem

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Andrew Wiles
(Zürich, 1994; Berlin, 1998)

Andrew Wiles

Andrew Wiles
(Zürich, 1994; Berlin, 1998)

- A silver plaque was given to him during the opening ceremony of the International Congress of Mathematicians of Berlin by the President of the International Mathematical Union who said:

«I'm sorry but this plaque is too narrow to contain your proof of Fermat's Last Theorem».

Andrew Wiles

Alberto Conte – NAISSMA

The Quantum Fields Medal (Kyoto, 1990)

- Witten is a famous theoretical physicist who worked on quantum fields. He is the only non-mathematician to whom was awarded a Fields Medal.

Edward Witten

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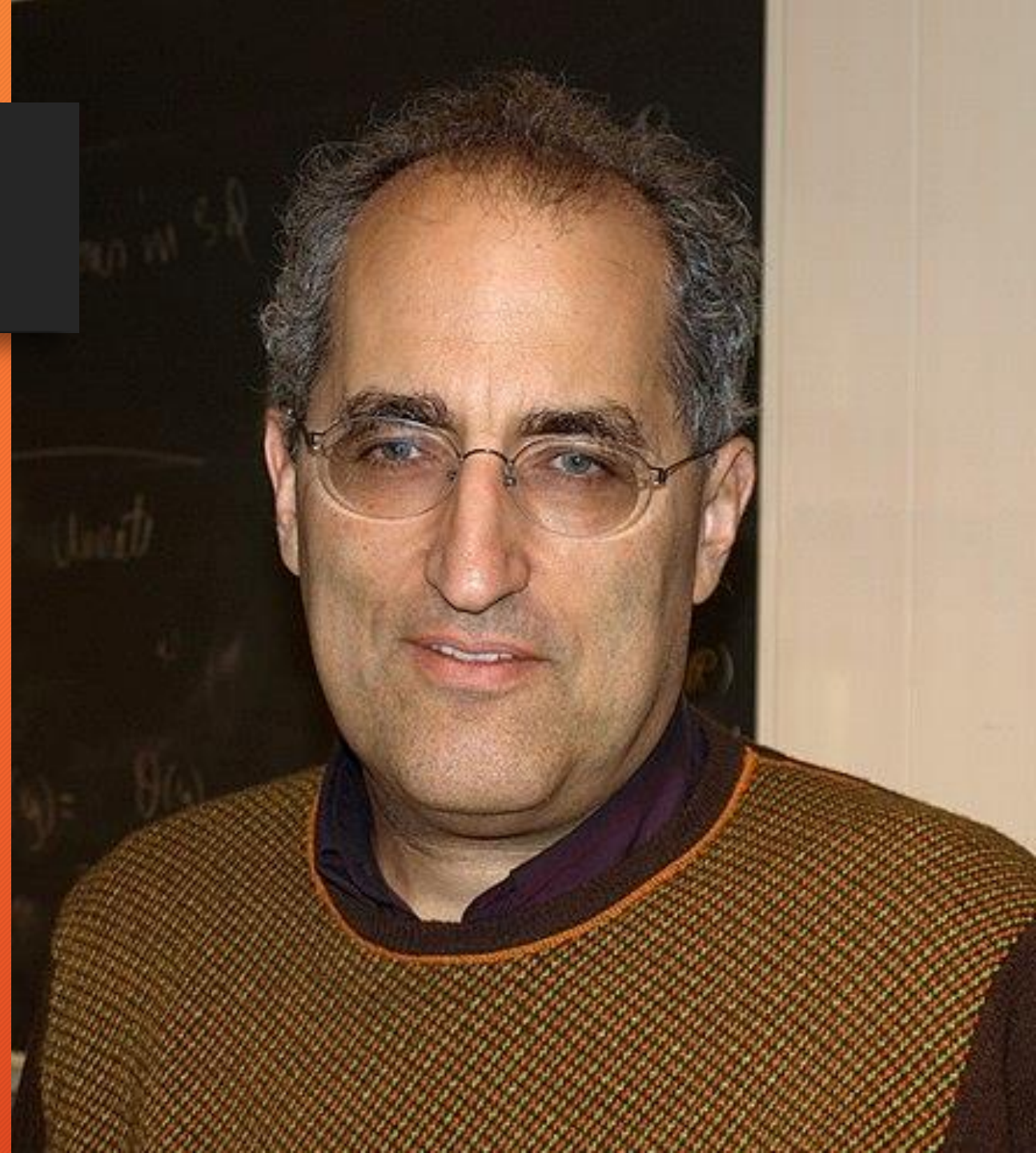
The Fields Medal refused
(Madrid, 2006)

- Perelman refused also the Clay Millenium Problems Prize (one milion dollars)!

Grigori Perelman

The Fifth Continent

It's Time for an African Fields Medal!

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Thank you for the attention!

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