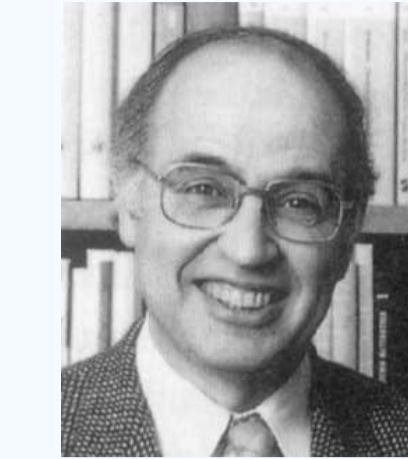


# My Journey Of Mathematics

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In the broad light of day mathematicians check their equations and their proofs, leaving no stone unturned in their search for rigour. But, at night, under the full moon, they dream, they float among the stars and wonder at the miracle of the heavens. They are inspired. Without dreams there is no art, no mathematics, no life.



Michael Atiyah

Sir Michael Francis Atiyah is a British mathematician specialising in geometry, who was awarded the Fields Medal in 1966, and the Abel Prize in 2004, which are regarded as greatest honors for mathematicians.

## The begining



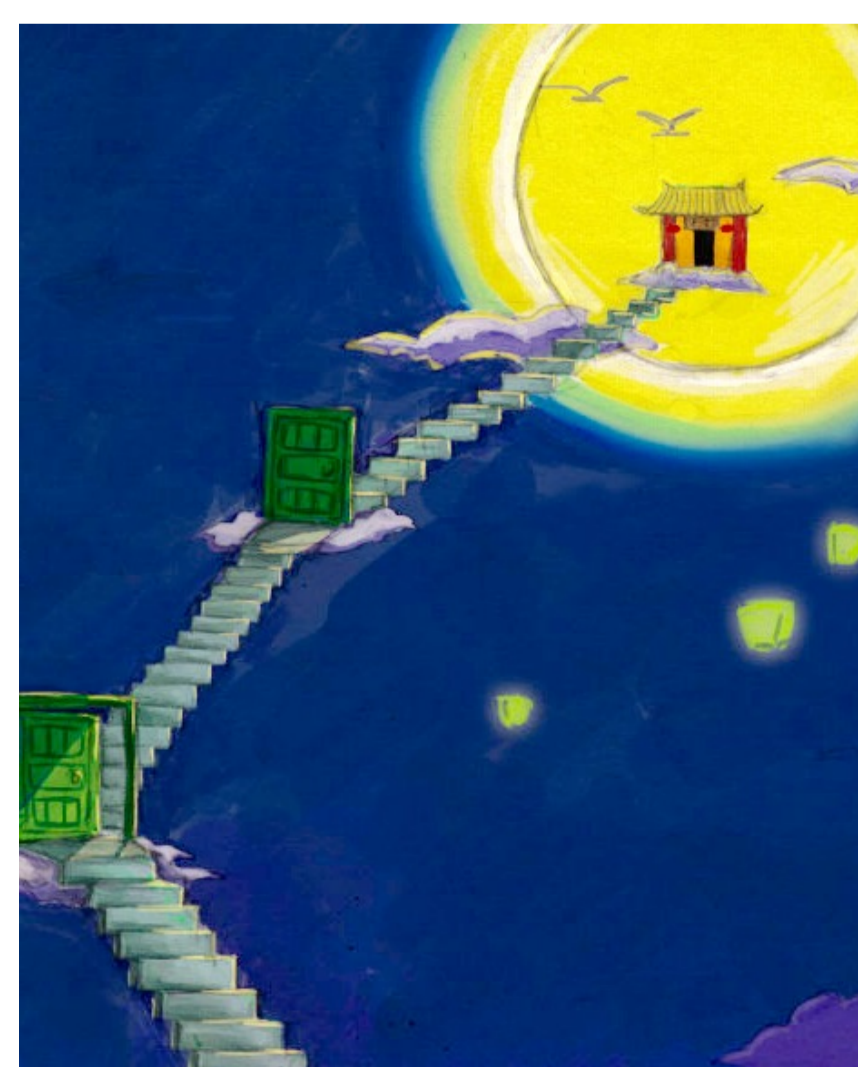
When I was in high school, I exhibited no extraordinary abilities in mathematics. I just figured that since I had all the time on my own, why not learn something to challenge myself intellectually? At that time, math, to me, was nothing other than those sophisticated but cool concepts, such as "limits" and "infinity", and the fascinating background stories.

## On The Way



In order to reach the forefront of math, I never stopped to equip myself with complex and abstract mathematical tools, which is a very challenging but dull journey. At times, I was confused and I would even question the motive and essence of pursuing the path of math. Just to deal with difficulty and complexity? Or to solve those famous but demanding problems?

## The Heart Of Math

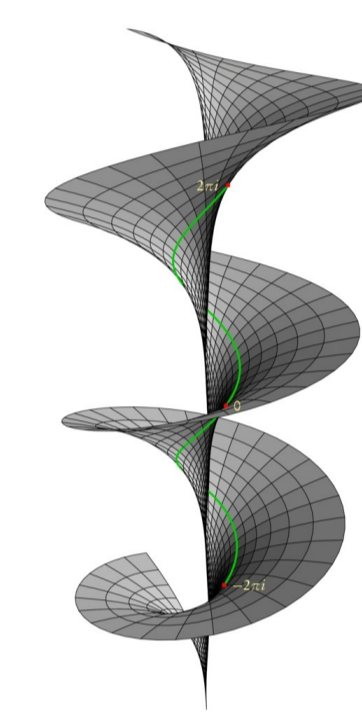


It is only until recently have I gradually realized that mathematics does not only provide us with solutions, but is also a channel to self-express and record the beauty of reality. The unproven lemmas and theorems are the scattered pieces of a large jigsaw and mathematicians are able to utilize the jigsaw pieces to construct and display their magnificent world in front of us. What conjectures to mathematicians is what world jigsaws to us.



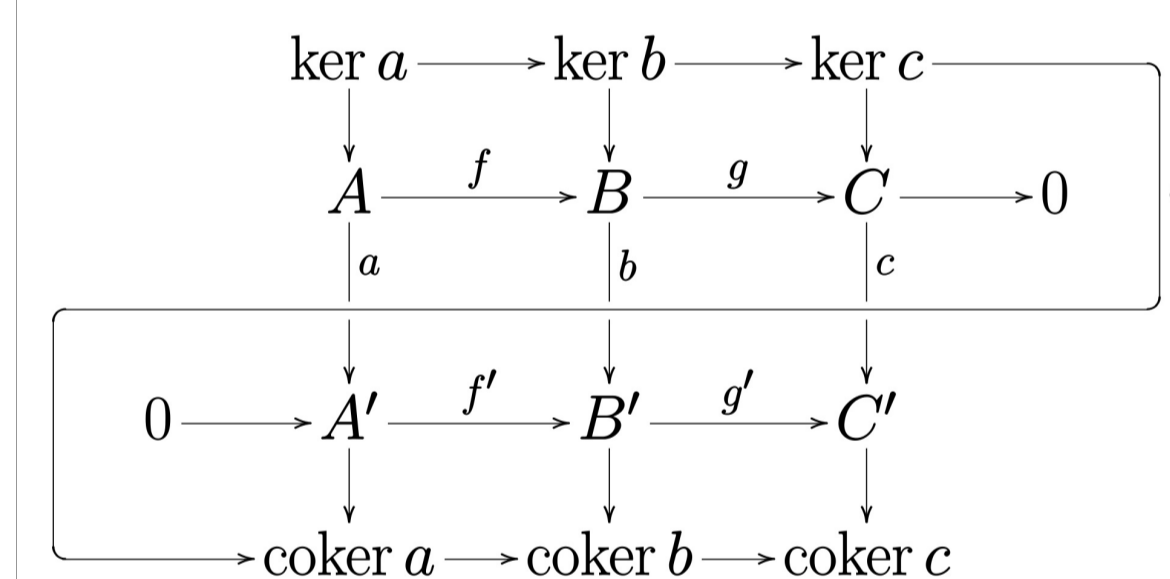
### Mobius Strip

A Mobius Strip is a surface with only one side! In mathematics, people who are called topologists are interested in it and those similar objects which preserve their properties under deformation.



### Riemann Surface

A Riemann Surface is also a surface but much more complex, and lots of interesting things happen in it.



### Homological Diagram

Homological diagrams are something developed in last century. In modern geometry, people use them to understand geometrical objects!

## The Work Of Mathematics



### About the Author:

I am a M2 student of University of Paris-Sud 11 (located in the south of Ile-de France) currently, where M2 means in the second year of Master. The standard way for a student to be a mathematician is to enroll as a PhD student in one mathematics institute, and M2 is a preparing year. Paris is a center of mathematics in the world, and University of Paris-Sud 11 and University of Pierre and Marie Curie are world famous, so it is a great chance to study here.

