

MME Seminar #7

Calculating the Volume of the Sphere - Teaching Elementary Calculus in High School

Professor Ron Aharoni, Technion – Israel Institute of Technology

Date: 15 Feb 2017
Time: 11.30 –12.30 pm
Venue: MME Journal Room, Block 7, #03-16
National Institute of Education

Abstract

In this talk I will explain how ancient Greek mathematicians invented calculus, and why the person who invented calculus believed that earth is flat – and was right.



Ron Aharoni is an Israeli mathematician, working in finite and infinite combinatorics. With Nash-Williams and Shelah he generalized Hall's marriage theorem. He subsequently proved the appropriate versions of the König theorem and the Menger theorem for infinite graphs.

Aharoni has strong interests in mathematics education and is one of the founders of the Israel Foundation for Math Achievement. He is also the author of *Arithmetic for Parents*, a book aimed at helping parents and elementary school teachers in teaching basic mathematics. He wrote the book on his experiences teaching elementary mathematics to Israeli school children.

Prof Ron Aharoni is the Singapore Mathematical Society's 2017 Distinguished Visitor. As part of the Distinguished Visitor Programme (DVP), he will conduct several seminars and workshops for mathematicians, mathematics educators, Primary and Secondary School teachers. The Association of Mathematics Educators is the co-organizer of the DVP.

Please visit <http://sms.math.nus.edu.sg/> for details of his public lecture on 10 Feb.