Webinar: On length of curves and area of figures by Prof. Rajeeva L. Karandikar (CMI)

by Bishal Deb - Friday, November 27, 2020

https://gonitsora.com/webinar-karandikar/

Gonit Sora is organizing a webinar to be delivered by **Prof. Rajeeva L. Karandikar** of Chennai Mathematical Insitute. The details are given below.

Date: **6 December, 2020 (Sunday)**

Time: **3:30 pm IST**

Title: **On length of curves and area of figures**

Abstract: We will discuss the length of curves and area of figures from first principles and revisit the derivation of the area of the circle. Most students would use the limit of sin(x)/x at x=0 while deriving the area of unit circle and use the area of unit circle while deriving the limit of sin(x)/x at x=0! We would derive the two together. After discussing Rieman integral in the context of area under the curve, we will introduce the idea of the Lebesgue integral.

About the Speaker: *Professor Rajeeva Laxman Karandikar is the Director of Chennai Mathematical Institute (CMI). Before joining CMI, he was a professor at the Indian Statistical Institute (ISI), Delhi (1984-2006). He then joined Cranes Software International Limited as Executive Vice President (2006-2010). He did his B.Sc from the University of Indore in 1976 and then his M.Stat from ISI Calcutta in 1978 where he also finished his PhD in 1981. He has been a visiting professor at several universities such as University of North Carolina at Chapel Hill, University of Minnesota at Minneapolis, University of California, Santa Barbara in the US and Erasmus University, University of Twente in the Netherlands.*

Professor Karandikar works in several research areas some of which are stochastic calculus, Markov processes, white noise calculus, finance, psephology in the context of Indian Elections. He has published several important books and papers in these areas.

Professor Karandikar has also been a consultant for several institutes and agencies. We mention a few of these. He was consulted by the CBI (Central Bureau of Investigation, India) in a case involving cheating in a multiple choice examination, by the CBSE (Central Board for secondary education, India) for evolving a grading system for class X and XII examinations. He has conducted and analyzed Nationwide opinion polls for Indian Parliamentary elections as well as for various state assemblies on behalf of several media companies, including Doordarshan, TV Today (Aaj Tak), Network 18 (CNBC and CNN-IBN), Hindustan Times, Hindu and Indian express.

Professor Karandikar has received many awards, such as the Young Scientist Medal from INSA in 1985, fellowship of the IASc in 1994 and the INSA in 2005, the Shanti Swarup Bhatnagar award in 1999, and many more.

The talk will be suitable for a general audience (college students are specially welcome), and will be held online via Zoom. It will also be livestreamed on our Facebook page.

All our talks are recorded and the recording is made available on our YouTube channel later.

e-Certificates will be issued to participants who attend the talk on Zoom.

If you have already registered for any webinar by Gonit Sora in the past, you need not register again, you are already in our mailing lists (unless you have told us to remove you). For those who have not registered before, you need to register at the link below.

Please read the rules of the Zoom meeting at this link, before you register. Due to a high volume of registration and emails, we will not answer queries which are already addressed in the rules.

To register submit the form at this link (meeting details are usually sent one day before the event).

A list of all past and future webinars are available at this link**.**
