

Webinar: Cycles of a random permutation by Prof. Amritanshu Prasad (IMSc Chennai)

by Manjil Saikia - Sunday, September 06, 2020

<https://gonitsora.com/webinar-prasad/>

Gonit Sora is organizing a webinar to be delivered by **Prof. Amritanshu Prasad** of the Institute of Mathematical Sciences (IMSc Chennai). The details are given below.

Date: **09 September, 2020 (Wednesday)**

Time: **2.30 pm IST**

Title: **Cycles of a random permutation**

Abstract: A k -cycle of a permutation w of $\{1, \dots, n\}$ is a sequence i_1, i_2, \dots, i_k of elements such that $w(i_1)=i_2, w(i_2)=i_3, \dots, w(i_k)=i_1$. Let $X_i(w)$ denote the number of i -cycles of the permutation w . In this talk we will study the joint probability distribution and the joint moments of these random variables when permutations are chosen at random.

About the speaker: *Prof. Amritanshu Prasad is a Professor of Mathematics at the Institute of Mathematical Sciences (IMSc), Chennai. He received his B. Stat.(hons.) from the Indian Statistical Institute, Kolkata in 1995. He then obtained an MS in Mathematics in 1996 from The University of Chicago, from where he also got his PhD in 2001.*

Before joining IMSc, Prof. Prasad was a Post doctoral fellow at The University of Montréal, 2001-2003. He has also held various visiting positions in India and abroad including University of Stuttgart, Australian National University (Canberra), Institut des Hautes Études Scientifiques (Bures-sur-Yvette), Tata Institute of Fundamental Research (Mumbai), Max-Planck Institut für Mathematik (Bonn). He has received several awards and recognitions which include the Young Scientist Medal from the Indian National Science Academy in 2010. He was elected Fellow of the Indian Academy of Sciences in 2019.

He works in combinatorics and representation theory. He has several publications including the book

Representation Theory: A Combinatorial Viewpoint Cambridge Studies in Advanced Mathematics, vol. 147, Cambridge University Press, 2015. He is also interested in Higher education in Mathematics, Mathematics popularization and is a contributor to the open source software, Sage.

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](#).

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](#).

PDF generated from <https://gonitsora.com/webinar-prasad/>.

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.