



May 12 Initiative 2023

# CELEBRATING WOMEN IN MATHEMATICS

at the  
School of Physical Sciences,  
Jawaharlal Nehru University



**Maryam Mirzakhani**

May 12, 1977 - July 14, 2017  
Fields Medalist 2014



**Tanvi Jain**

ISI Delhi  
Speaker

## Title: Entrywise products and power of matrices

**Abstract :** There has been much interest in the study of entrywise products and entrywise functions of matrices that preserve positivity. This study has its roots in the classical works of Schur, Schoenberg and Rudin. It has applications in diverse areas such as statistics, probability and physics. In this talk, we briefly discuss these functions with a special emphasis on the entrywise power functions of matrices.



May 19, 2023



3:30 pm



Seminar Hall, SPS

- 3:30 - 4:00 pm : Introduction to May 12 Initiative and Women in Mathematics
- 4:00 - 5:00 pm : Talk by Tanvi Jain
- 5:00 - 5:30 pm : Film on Olga Ladyzhenskaya
- 5:30 pm : Tea