



Seminar Invitation: Propagation of velocity profile of unsteady magnetohydrodynamics flow between two orthogonal moving porous discs

Tahira Jamal

Department of Mathematics, University of the Punjab, Lahore



Speakers' Brief Introduction

Ms. Tahira Jamal is a Ph.D. Scholar working under the supervision of Prof. Dr. Malik Zawwar Hussain (retired). The field of research of a student is Computational Mathematics, specializing in Partial Differential Equations.



Astract

The impact of laminar, incompressible, two-dimensional magnetohydrodynamics flow influenced by a magnetic field between two orthogonal moving porous plates has been investigated. Earlier this problem has been dealt with via various numerical techniques, while we have developed an analytical solution using an extended direct algebraic approach. Furthermore, the obtained equation is utilized to compute the different forms of velocity profile, while the influence of the Hartmann number on fluid flow and heat transmission is also examined. It is observed that the Hartmann number causes to accelerate or decelerates the fluid movement.

Departmental Seminar Series

The Seminar Series serves as a platform to showcase and celebrate the remarkable work carried out by our researchers, scholars, and experts. It provides an avenue for knowledge dissemination and collaboration, creating an environment that nurtures innovative ideas and drives groundbreaking research. We proudly acknowledge and celebrate the remarkable contribution of Prof. Dr. Muhammad Sharif in introducing this seminar series back in 2005. The Seminar Series encompasses a wide range of topics, spanning various disciplines, ensuring that it caters to the diverse interests and expertise of our institute's community. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and fostering interdisciplinary collaborations.

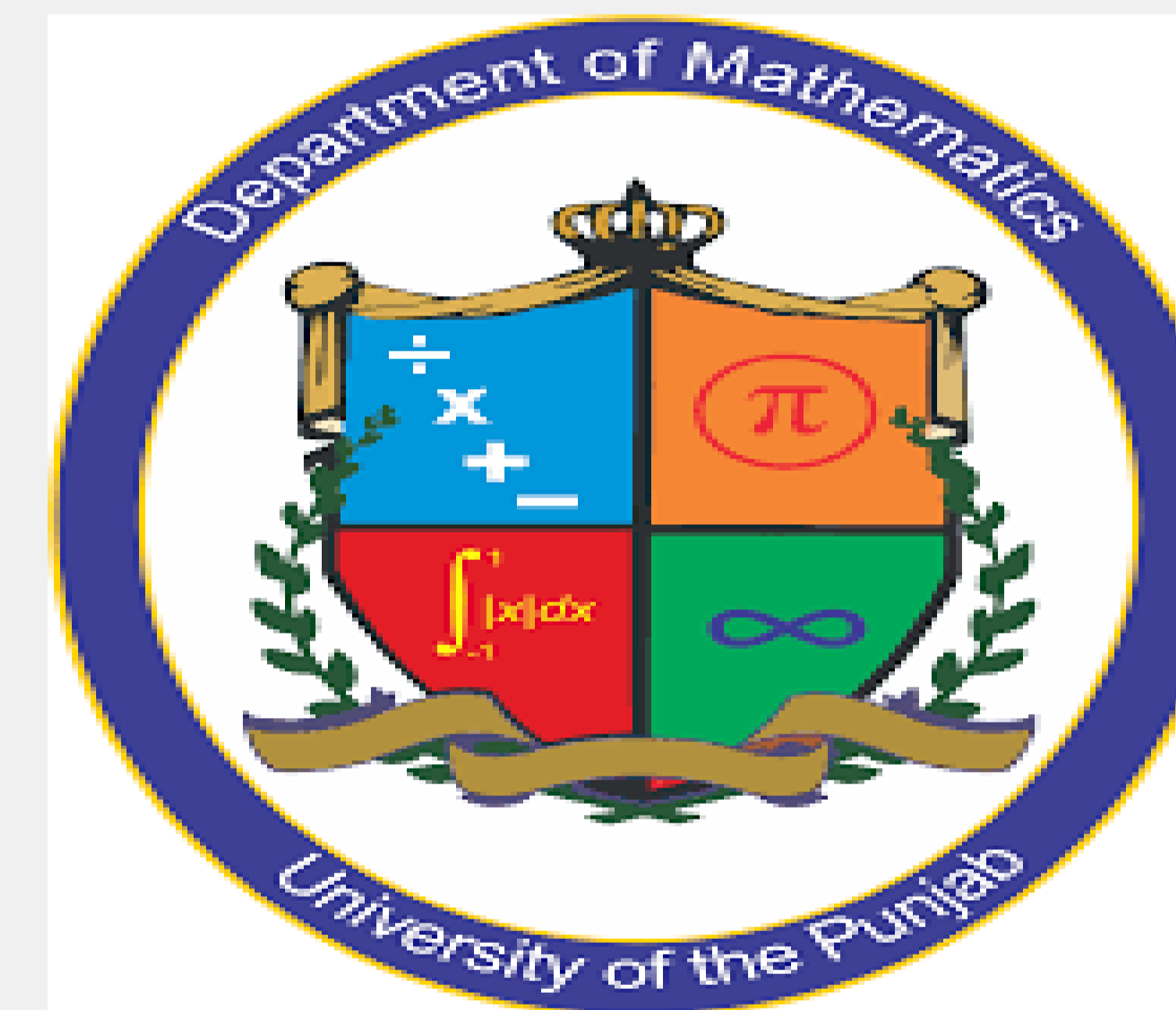


Please join us for this Presentation

When: Wednesday 21th June 2023; 02:20PM- 02:40PM

Where: Computer Lab, Department of Mathematics. University of the Punjab, Lahore

Chairman Message



It is my honor to witness the passion and dedication that our faculty and students bring to the study of this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge each and every one of you, regardless of your level of experience, to actively participate in mathematical research and contribute to the growth of our research community. It is our collective responsibility to create an ecosystem that encourages and facilitates research pursuits.

Coordinator Departmental Seminar Series

Dr. Zeeshan Yousaf

Associate Professor

Department of Mathematics, University of the Punjab, Lahore