

Seminar Invitation: Anisotropic stellar structure solutions exhibiting zero complexity

Speaker: **Suraj Khan** from Department of Mathematics, University of the Punjab, Lahore

Abstract

We formulate stellar structure solutions modeled by anisotropic fluid and satisfying the condition of zero complexity. Several exact analytical models are found under the above-mentioned conditions. The presented solutions characterize the evolution of spherically symmetric fluid configurations for both dissipative and non-dissipative cases. Anisotropic stellar structure solutions with zero complexity involve studying stars where their internal pressures differ in various directions, creating imbalances within the star's structure. While anisotropic effects might seem intricate, these solutions focus on scenarios where the complexities are minimal.

Speakers' Brief Introduction

Mr. Suraj Khan is a Ph.D. scholar working under the supervision of Dr. Zeeshan Yousaf. The field of research of a student is Applied Mathematics, specializing in Partial Differential Equations.



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 promoting interdisciplinary collaborations.

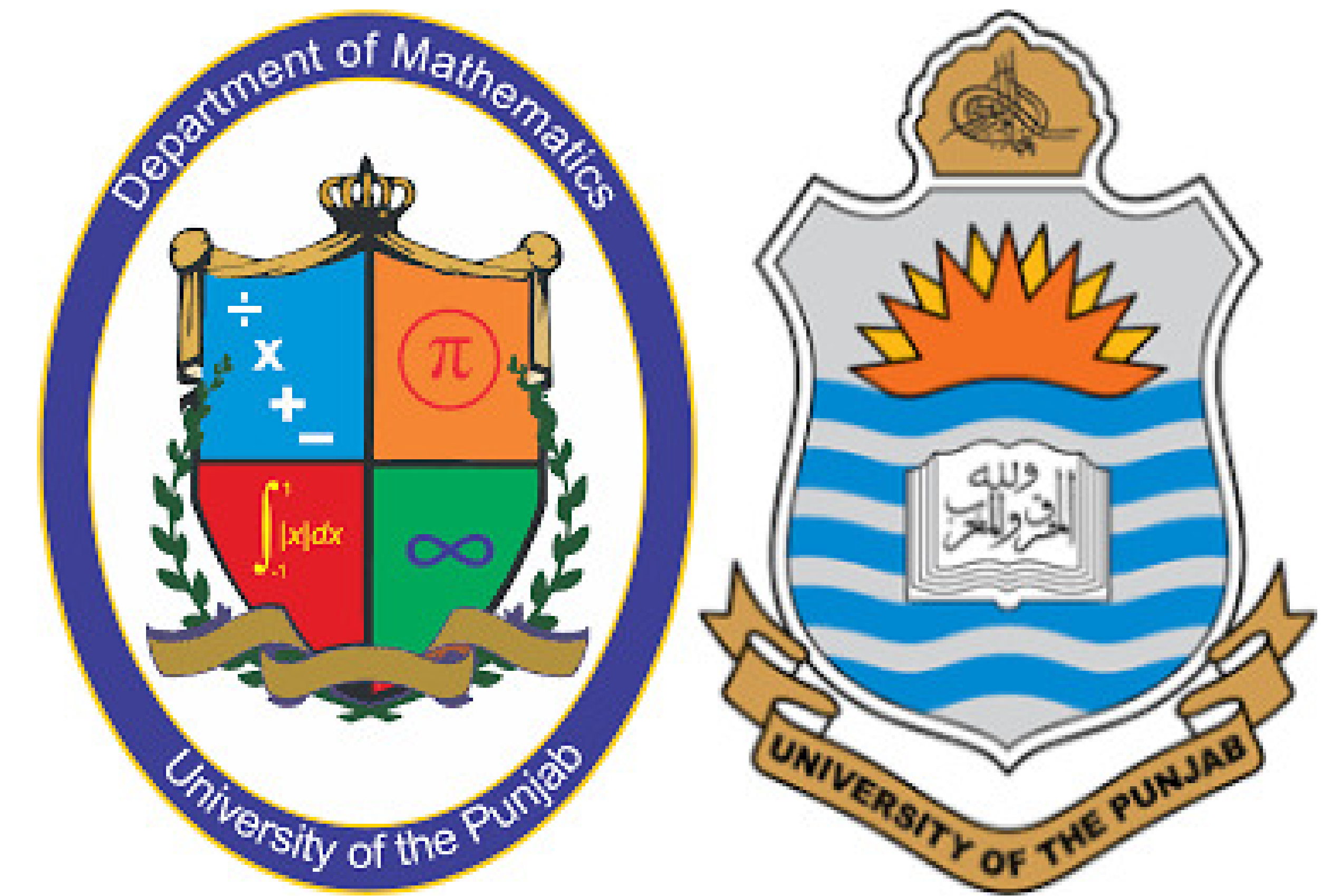


Please join us for this Presentation

When: Wednesday 27 September 2023; Time: 02:00PM-02:30PM

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

Chairman Message



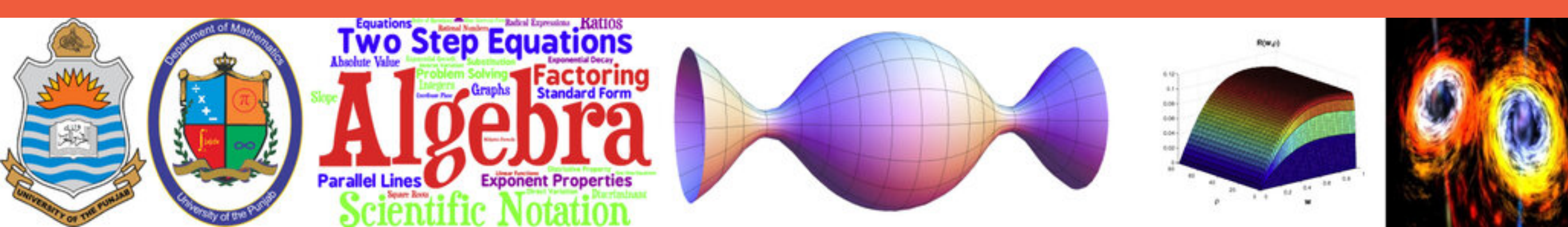
It is my honor to witness the passion and dedication that our faculty and students bring to the study of this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge each and every one of you, regardless of your 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



All the faculty members and research scholars (MPhil/PhD) are invited to the seminar

Contact: info.math@pu.edu.pk