

Conjeevaram Srirangachari Seshadri

Padma Bhushan (2009) and Shanti Swarup Bhatnagar Prize (1972)



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Get ready to meet a true legend of Indian mathematics: **Professor Conjeevaram Srirangachari Seshadri!** Born in Kanchipuram, Dr. Seshadri was a brilliant mind who didn't just solve problems; he completely reshaped the field of **algebraic geometry**.

Think of geometry as shapes and algebra as equations. Algebraic geometry connects these two worlds, and Dr. Seshadri's work built some of the most important bridges!

His Superpowers in Math

- **The Narasimhan-Seshadri Theorem:** A foundational result developed with M. S. Narasimhan, this theorem is a cornerstone in modern mathematics, connecting complex geometry with deep algebraic ideas.
- **The Seshadri Constant:** Named after him, this concept is a vital tool used by mathematicians worldwide to measure certain properties within algebraic geometry.

- **Standard Monomial Theory:** He helped develop this framework, which is like a special decoding system that connects geometry to the advanced study of symmetry groups. His significant advancements in Geometric Invariant Theory are recognised globally, establishing him as a pioneering figure in the study of Schubert varieties and moduli spaces. He had a profound influence on research at institutions like the Tata Institute of Fundamental Research (TIFR).

His Superpowers in Math

Dr. Seshadri wasn't just a world-class researcher; he was a passionate **institution builder**. After a long career at TIFR, he founded the **Chennai Mathematical Institute (CMI)** in 1989. He pioneered a unique model in India, integrating top-tier undergraduate education directly with research, shaping the next generation of mathematical talent!

For his intellectual rigour and leadership, he was awarded the **Padma Bhushan (2009)** and the **Shanti Swarup Bhatnagar Prize (1972)**. He was also elected a **Fellow of the Royal Society (FRS)** and a Foreign Associate of the U.S. National Academy of Sciences. Beyond math, he was a dedicated enthusiast and performer of **Carnatic music**, proving that genius can harmonise both logic and art!