

## **Seminar**

### **Different Facets of PT Symmetry**

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By PT symmetry one means the combined parity and time reversal symmetry. In the last 20 years, the PT symmetry has played an important role in several areas starting from classical mechanics, quantum mechanics, nonlinear models and even astrophysics. Remarkably, its several predictions have been experimentally verified.

After giving a comprehensive review of these developments, I shall discuss new novel complex PT-invariant solutions of several nonlinear theories. I shall also discuss new insight that it has offered in quantum mechanics as well as classical mechanics.

***Thursday, Feb 29<sup>th</sup> 2024***

***16:00 Hrs (Tea / Coffee 15:45 Hrs)***

***Seminar Hall, TIFR-H***