

**İSTANBUL TEKNİK ÜNİVERSİTESİ
FEN-EDEBİYAT FAKÜLTESİ
SEMİNER PROGRAMI**

14 Mayıs 2007 – 18 Mayıs 2007

FİZİK BÖLÜMÜ

Pseudo-Hermitian Quantum Mechanics and Its Applications

Ali Mostafazadeh

Department of Mathematics, Koc Üniversitesi

**18 Mart 2007 Cuma
Fizik Bölümü Toplantı Salonu
Saat 16:00**

Özet:

We give a brief outline of pseudo-Hermitian quantum mechanics, demonstrate its application in the study of a unitary quantum system defined by a delta-function potential with a complex coupling, and show how it leads to a novel description of electromagnetic waves propagating in an arbitrary possibly inhomogeneous and/or anisotropic, lossless, linear medium with time-independent dielectric and permeability tensors.