

A NOTE ON THE CLASS OF N-POWER QUASI-ISOMETRY

J. STELLA IRENE MARY & P. VIJAYALAKSHMI

Department of Mathematics, P.S.G College of Arts and Science, Coimbatore, Tamil Nadu, India

ABSTRACT

In this paper we introduce a new class of operators called the n - power quasi - isometry and study their properties related to quasinormality and partial isometry. We also introduce another related new class of operators and investigate their spectral properties.

KEYWORDS: Hilbert Space, Isometry, Operator, Quasinormal, Quasi-Isometry

AMS 2010 Mathematics Subject Classification: 47B20, 47A62, 47A63.