



## ON THE CHARACTERIZATION OF CLASS $\overline{R}_1$ OF NON-NORMAL OPERATORS IN A HILBERT SPACE

Mile K. Justus, Nzimbi M. Bernard and Moindi K. Steve

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### Abstract

In this paper, we prove that if a bounded operator  $T$  is normaloid, spectraloid, hyponormal, then  $T$  is in class  $\overline{R}_1$ . Also, if  $T$  is hyponormal, or is with the sequential  $G_1$ -property, or has the  $G_1$ -property, then for any compact operator  $K$ ,  $T + K \in \overline{R}_1$ .

**Keywords and phrases:** normaloid, spectraloid, hyponormal, paranormal, isometric operator, sequential.

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