PUTNAM-FUGLEDE THEOREM FOR *n*-POWER NORMAL AND *w*-HYPONORMAL OPERATORS

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Abstract

In this presentation, the familiar Putnam-Fuglede theorem is firstly investigated for *n*-Power normal operators. Then, it's asymmetric version is studied for *n*-Power normal and *w*-hyponormal operators. As a consequence, more conditions implying normality, or even similarlity between these two operator classes, are struck via this theorem.