



**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 similarity between these two operator classes, are struck via this theorem.

Keywords and phrases: similarity, Putnam-Fuglede theorem, n -power normal, Aluthge transformations, w -hyponormal.

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