

PROPUESTA DE TRABAJO DE FIN DE MÁSTER
MÁSTER EN MATEMÁTICAS AVANZADAS

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Título: Wandering subspaces for operators close to isometries

Resumen: The main goal of the present work is establishing an analog of the classical Wold-Kolmogorov decomposition theorem for linear bounded operators T acting on a separable Hilbert space satisfying certain inequalities. As a consequence, it is possible to represent T as a direct sum of a unitary operator and a shift operator acting in some Hilbert space of analytic functions.

Referencia:

Sergei Shimorin, *Wold-type decompositions and wandering subspaces for operators close to isometries*, J. Reine Angew. Math. 531 (2001), 147-189