THE SPECTRUM OF THE RESTRICTION TO AN INVARIANT SUBSPACE

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Abstract. Let \( X \) be a Banach space, \( A \in B(X) \) and \( M \) be an invariant subspace of \( A \). We present an alternative proof that, if the spectrum of the restriction of \( A \) to \( M \) contains a point that is in any given hole in the spectrum of \( A \), then the entire hole is in the spectrum of the restriction.

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