

## 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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