CLASS A OPERATORS AND THEIR EXTENSIONS

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Abstract. In this paper, we study various properties of analytic extensions of class A operators. In particular, we show that every analytic extension of a class A operator has a scalar extension. As a corollary, we get that such an operator with rich spectrum has a nontrivial invariant subspace.

Keywords and phrases: Class A operators, subscalar operators, invariant subspaces, Weyl’s theorem.

REFERENCES

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