

**IMPROVED MUCKENHOUP-T-WHEEDEN
INEQUALITY AND
WEIGHTED INEQUALITIES
FOR POTENTIAL OPERATORS**

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Abstract

By a variant of the standard good λ inequality, we prove the Muckenhoupt-Wheeden inequality for measures which are not necessarily in the Muckenhoupt class. Moreover we can deal with a general potential operator, and consequently we obtain a suitable approach to the two weight inequality for such an operator when one of the weight functions satisfies a reverse doubling condition.
