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## **A Two-Weight Inequality for Essentially Well Localized Operators**

### **Abstract**

Nazarov, Treil and Volberg first introduced and characterized the two-weight boundedness of well localized operators. In this talk, we introduce a generalization of these operators, called essentially well localized operators, and obtain necessary and sufficient conditions to characterize their boundedness between  $L^2(\mathbb{R}^n, u)$  and  $L^2(\mathbb{R}^n, v)$  for general Radon measures  $u$  and  $v$ .

Talk time: 07/22/2016 5:00PM— 07/22/2016 5:20PM

Talk location: Crow 204

Special Session: Harmonic analysis. Organized by K. Bickel.