1125-42-1221   **Brett D. Wick*** (`wick@math.wustl.edu`), Department of Mathematics, Washington University - St. Louis, St. Louis, MO 63130. *Commutators and BMO Associated to the Bessel Operator.*

The Bessel operator is the differential operator $-\frac{d^2}{dx^2} - \frac{2\lambda}{x}\frac{d}{dx}$. Akin to how the Riesz transforms and BMO are connected to the usual Laplacian, there are analogous operators and function spaces associated to the Bessel operator. In this talk we will discuss some results connected to commutators related to the Riesz transform associated to the Bessel operator and the characterization of boundedness of these commutators in terms of BMO functions associated to the Bessel operator.

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