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Dean Baskin* (dbaskin@math.tamu.edu). *High frequency estimates for the Helmholtz equation with application to boundary integral equations.*

I will discuss joint work with Euan Spence and Jared Wunsch on high frequency estimates for the Helmholtz equation in exterior domains as well as for interior impedance problems. Motivation for these estimates comes from certain problems in numerical analysis. (Received February 22, 2016)