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William Feldman* (feldman@math.uchicago.edu). *Continuity properties for boundary data homogenization problems.*

I will discuss the continuity, or lack thereof, of the effective boundary condition for boundary data homogenization problems in periodic media. For both divergence and non-divergence form problems continuity (generically) requires linearity of the PDE operator. Based on joint works with I. Kim and Y. Zhang. (Received February 19, 2018)