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Yuliya Gorb* (gorb@math.uh.edu), Department of Mathematics, University of Houston,
Houston, TX 77204, and **Lilliana Borcea** and **Yingpei Wang**. *Discrete Network Approximation
for Dirichlet-to-Neumann Map for High Contrast Problems.*

A model of a composite material consisting of a matrix of finite conductivity with ideally conducting almost touching particles is considered, and a discrete network approximation for the Dirichlet-to-Neumann map is constructed and justified. (Received September 25, 2012)