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**Ohannes Karakashian\*** (ohannes@math.utk.edu) and **Craig Collins**. *Schwarz Methods for Discontinuous Galerkin Approximations of Elliptic problems.*

We consider overlapping and non overlapping Schwarz methods for the solution of the linear systems resulting from Interior Penalty Discontinuous Galerkin discretizations of elliptic problems. In particular, we focus on the dependence of the condition numbers of the preconditioned systems on the penalty parameter and give an analytical and experimental study of this dependence. (Received January 18, 2015)