

Domain Decomposition Applied to the Drift-Diffusion Equations

W. M. COUGHRAN, JR.* Eric Grosse
AT&T Bell Laboratories
Murray Hill, NJ 07974, USA

For a number of years, AT&T Bell Laboratories has depended on Cray Research computers for semiconductor modeling. Recently, we started to explore a variety of domain decomposition methods employing a collection of high-performance workstations connected via 100Mb/s FDDI. We will describe our experience with such approaches for the drift-diffusion equations and our perceptions of the evolving workstation cluster alternatives.

*Speaker.