

Abstract Submitted
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Afivo, a framework for the 2D/3D simulation of streamers and other discharges JANNIS TEUNISSEN, KU Leuven, Centre for mathematical Plasma Astrophysics and CWI, Amsterdam, MARGREET NOOL, CWI, Amsterdam, UTE EBERT, CWI, Amsterdam and Eindhoven University of Technology — Over the last couple of years we have been developing Afivo, a framework for the simulation of streamers and other discharges in 2D and 3D. The main features of Afivo are: adaptively refined quadtree/octree grids, a geometric multigrid solver, OpenMP parallelism, VTK and Silo output, and an open source license. We have recently focused on improving Afivo's documentation and we have added new examples, which are demonstrated on our poster.

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