## Error Estimations to Simulation Scheme for Nonlinear Boltzmann-Type Equations

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## **Abstract**

Accurate numerical modeling of nonlinear process acting flows is critical for solving transport problems both in fundamental and applied science. In this respect, the last years have been marked by a considerable progress in the development of algorithms for Boltzmann models. We consider the generalized method of Nambu [8], Babovsky and Illner [1] which combines analytical and stochastic techniques into a convergent algorithm for the reacting Boltzmann equations [4]. We report on error control to complete the theoretical support of the scheme developed in previous works.