1060-68-198   **Parisa Babaali*** (`pbabaali@york.cuny.edu`), Dept. of Mathematics and Computer Sciences, 94-20 Guy R. Brewer Blvd, Jamaica, NY 11415. *A Lower Bound on the Asymptotic Density of Minimal Automata.*

There are existing methods to generate a complete deterministic automaton at random, however it is not known what percentage of these automata are minimal. In this talk we give a lower bound on the asymptotic density of minimal automata of size n in the super set of all deterministic complete automata of size n generated by the existing methods by constructing a family of non-minimal automata. (Received March 30, 2010)