





Path Refinement state reduction on random DPAs with three colors and  $|\Sigma|=4$ . 3.0 2.5 Number of removed states 2.0 1.5 1.0 0.5 0.0 1.00 1.25 1.50 1.75 2.00 2.25 2.50 2.75 3.00 Number of SCCs in the original automaton

Path Refinement state reduction on random DPAs with three colors and  $|\Sigma|=4$ . 120 100 Number of automata 80 60 40 20 0 0.7 0.0 0.1 0.2 0.3 0.4 0.5 0.6

Relative number of removed states