

# Scaled absolute difference between theoretical carrying capacity and observed carrying capacity ( $\Delta L$ )

Discrete growth rate ( $r$ ): 0.05;

Initial population ( $N_0$ ) range: 1-51; step: 2];

Reproduction probability ( $R$ ) range: 0.05-1; step: 0.05];

Crowding coefficient ( $c$ ) range: 1e-05-0.0001; step: 1e-05];

Death probability ( $D$ ) range: 0-0.95; step: 0.05];

Simulations: 100; Iterations: last 200 (out of 500);

