Logistic growth: simulation vs theory

Simulations: 1000, Iterations: 501; Iteration grand mean: 4058.85;
Theory inflection population (N^*): 2500; Theory inflection time (t^*): 92;
R: 0.1; D: 0.05; c: 1e-05; N_0: 51;

Legend:
- ∗ Exponential growth
- ○ Logistic growth
- — Iteration means $\mu(N_i)$
- --- Iteration grand mean
- ⋯ N^*
- ⋯ t^*

Y-axis: N (Population)
X-axis: t (time) - iterations