Discrete = continuous growth rate (r = k): 0.05; Carrying capacity (L): 5000; Initial population (N<sub>o</sub>): 51; Time range: [0 - 500]; Inflection time (t\*): 92; A) Big picture of the comparison between continuous (CM) and discrete (DM) logistic growth models units (population) Logistic growth models Continuous Discrete t (time) - units B) Difference in population ( $\triangle N$ ) between DM and CM per time unit -20 -40 -60

t (time) - units

Raw residuals

-80

-100

Theoretical logistic growth models