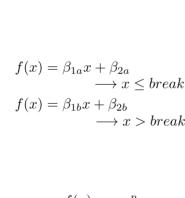


Predictor trait



$$f(x) = c x^p$$

$$f(x) = c_1 + \frac{c_2}{1 + e^{\beta_1} (\beta_2 - x)}$$

A two regimes linear model. Rate changes linearly with the value of the predictor trait, trait.

A sigmoid function model. This is the most

flexible function implemented by default on

the 'phylofx' package.

$$f(x) = \beta_{1b}x + \beta_{2b}$$

$$\longrightarrow x > break$$

$$f(x) = c x^{p}$$

 σ^2

 $\sigma_{left}^2 \longrightarrow x \leq break$

 $\sigma^2_{right} \longrightarrow x > break$

$$f(x) = \beta_1 x + \beta_2$$
 A linear model. Rate changes linearly with the value of the predictor trait.

A homogeneous rate throughout the tree.