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README

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Roy, Shovonlal (2023): Computer code for 'Ecological determinants of Cope’s rule and its inverse'. University of Reading. Software. https://doi.org/10.17864/1947.000491

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The MATALB CODE is for running the eco-evolutionary model reported in ‘Ecological determinants of Cope’s rule and its inverse’ by Roy et al. 2023 Communications Biology. The code includes multiple MATLAB file separated by different names.

1. niche\_body\_exe

2. equil

3. niche\_body\_fn

4. secetion\_gradients

5. niche\_body\_branch\_condition

The executable program "niche\_body\_exe" calls on the four other programmes to run the model. The code must be adapted to run different scenarios presented in the paper. Further details on the model parameters used for different model set up are given in the methodology of the paper.