

How to Use This Code

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1. About This Project

This is an interesting project in which we observe the color of butterflies in different trees using evolutionary algorithm. You can find that after several generations, the color of most butterflies becomes the color of tree where they reside.

This project is made from Wolfram Mathematica 10. All details have been written in `Butterflies2D.nb` notebook. Mathematica has good compatibility, so you can open notebook file in older edition. Just evaluate the notebook and observe the results.

I have converted the notebook file into a PDF file. If you have not Mathematica, please open the PDF file instead.

2. Reference

This project is based on Chapter 1 of this book:

Christian Jacob, *Illustrating Evolutionary Computation with Mathematica*, Academic Press, 2001, ISBN 1-55860-637-8.

Any Question and Advice Are Welcome! Thank You!