

Mandyoc

MANTle DYnamics simulatOr Code

About

Mandyoc is a finite element code written on top of the [PETSc](#) library to simulate thermo-chemical convection of the Earth's mantle. Different linear and non-linear rheologies can be adopted, appropriately simulating the strain and stress pattern in the Earth's crust and mantle, both in extensional or collisional tectonics.

Documentation

On the [Documentation](#) page, you will be able to find relevant information on how the code works, how it was implemented, how to install it, the description of the parameters and input files, some applications and some useful examples.

Need any help?

- Most discussion happens [on Github](#). Feel free to [open an issue](#) or comment on any open issue or pull request.
- You can also send an email to sacek@usp.br or jamison.assuncao@usp.br

Contributing

Code of conduct

Please note that this project is released with a [Contributor Code of Conduct](#). By participating in this project you agree to abide by its terms.

Contributing Guidelines

Contributions to Mandyoc are welcome. If you have an issue, a bug, a code contribution or a documentation contribution, **thanks for helping to improve Mandyoc!** Check out our [Contributing guide](#).

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