## Aulas práticas

### Objetivos

Mostrar aplicações da teoria

Para que serve tudo isso

Coisas misteriosas acontecem na prática

Força a descobrir coisas novas

### Software

Projeto Fatiando a Terra

Código aberto (open source)

Gratuito

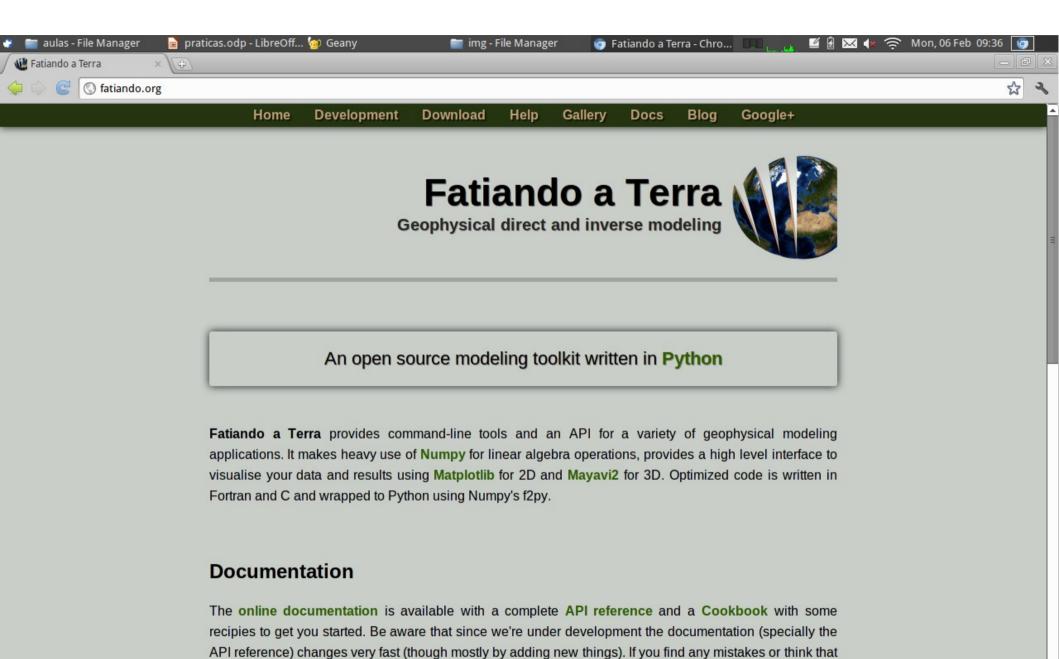
• Vários tipos de modelagem e inversão

Para ensino e pesquisa

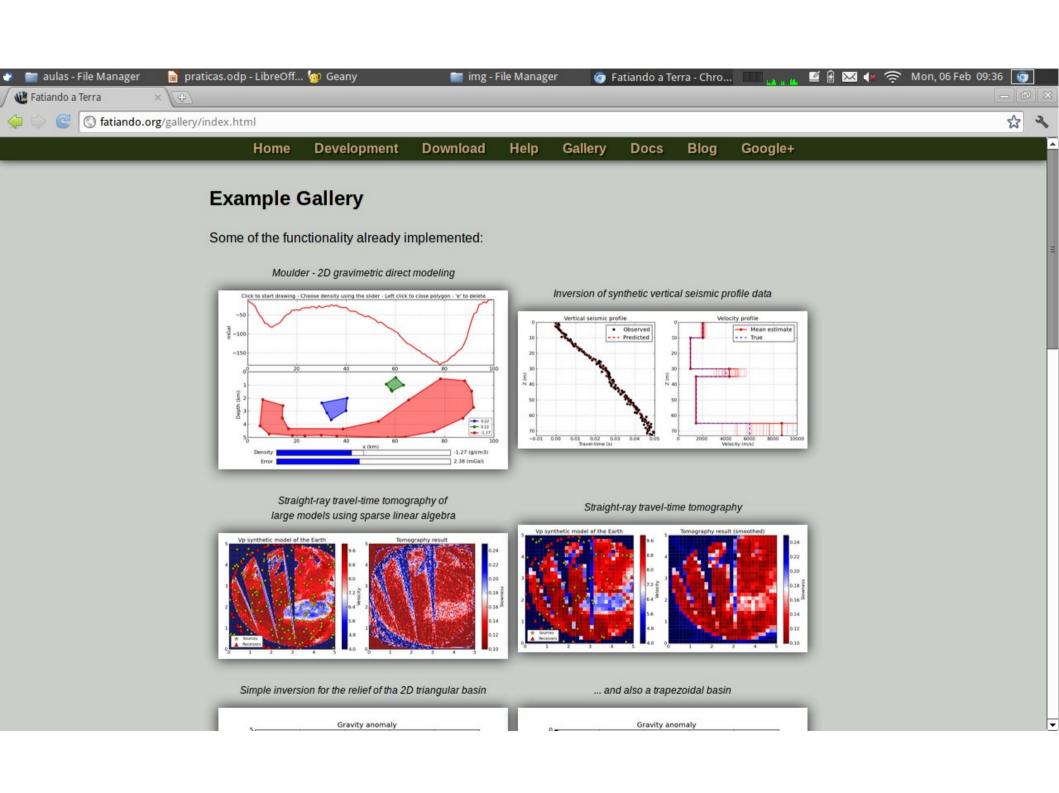
# Fatiando a Terra

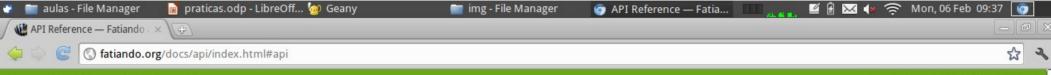
- www.fatiando.org
- Blog
- Documentação
- Teoria
- Como e onde baixar
- Instalar





some section of the docs could be better explained, please give us a shout!





Fatiando a Terra 0.1 documentation »

previous | next | modules | index



Previous topic

Cookbook

Next topic

Potential Fields
(fatiando.potential)

This Page

Show Source

Quick search

Go

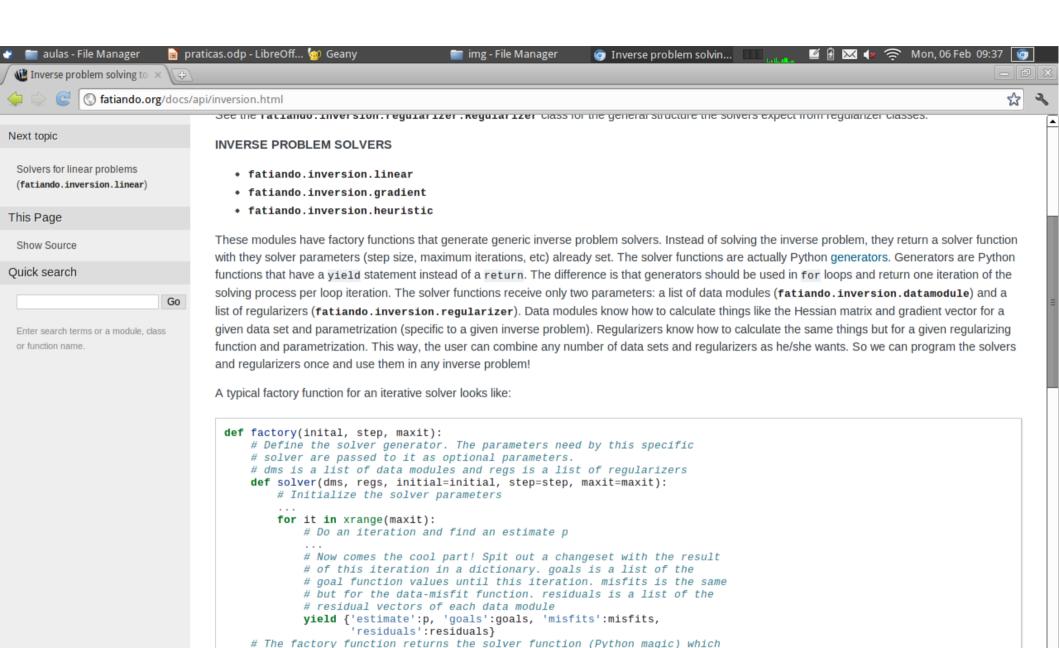
Enter search terms or a module, class or function name.

#### **API Reference**

Package fatiando contains tools for geophysical direct and inverse modeling as well as data processing, gridding, and visualization.

The API is divided into modules and subpackages, each for a different geophysical method or type of operation:

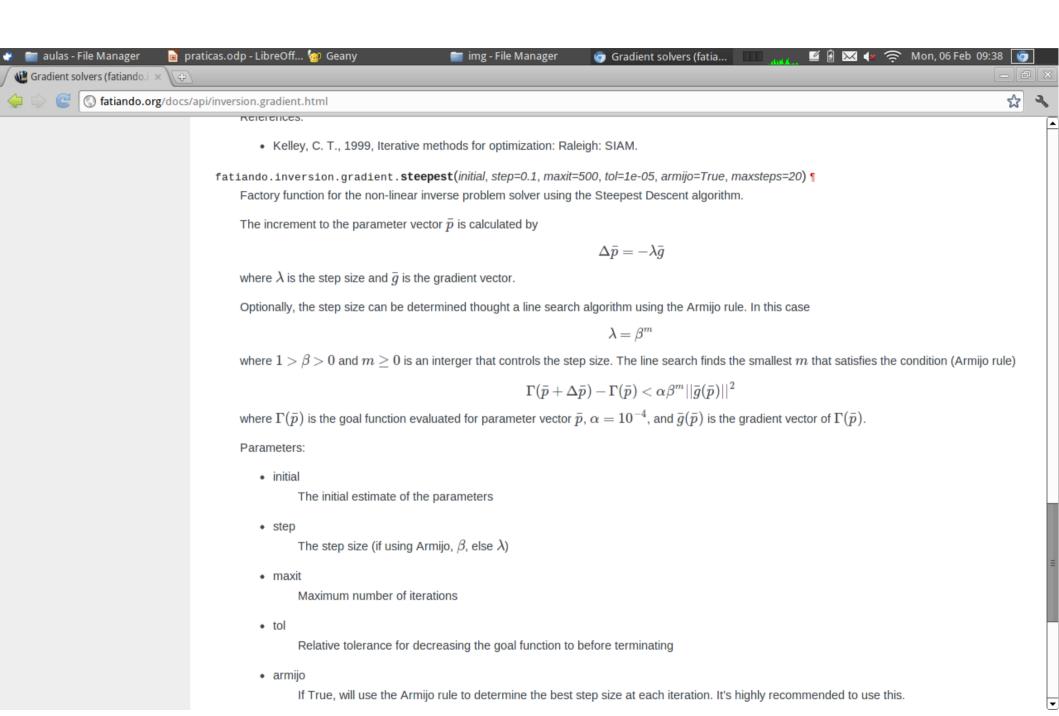
- Potential Fields (fatiando.potential)
  - Upward continuation, derivatives, etc. (fatiando.potential.transform)
  - Direct modeling with right rectangular prisms (fatiando.potential.prism)
  - Direct modeling with 3D polygonal prisms (fatiando.potential.polyprism)
  - Direct modeling with 2D polygons (fatiando.potential.talwani)
  - Inversion for the relief of 2D basins (fatiando.potential.basin2d)
- Seismics and seismology (fatiando.seismic)
  - Direct modeling of seismic wave travel times (fatiando.seismic.traveltime)
  - Epicenter determination (fatiando.seismic.epicenter)
  - Seismic profiling (fatiando.seismic.profile)
  - Straigh-ray 2D tomography with SrTomo (fatiando.seismic.srtomo)
- Geothermics (fatiando.heat)
  - Climate change signal in well temperature logs (fatiando.heat.climatesignal)
- Meshing (fatiando.mesher)
  - 3D meshes and objects (fatiando.mesher.ddd)
  - 2D meshes and objects (fatiando.mesher.dd)
- Inverse problem solving tools (fatiando.inversion)
  - Solvers for linear problems (fatiando.inversion.linear)
  - Gradient solvers (fatiando.inversion.gradient)
  - Heuristic solvers (fatiando.inversion.heuristic)
  - Regularizing functions (fatiando.inversion.regularizer)
  - Base data module class (fatiando.inversion.datamodule)
- Gridding (fatiando.gridder)
- Visualization (fatiando.vis)



Late cay I have a module that colver a particular inverse problem called midpurgable by. This module would look compathing like this:

# can be passed to a particular inverse problem.

return solver



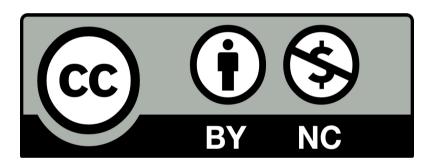
### Apostila e slides

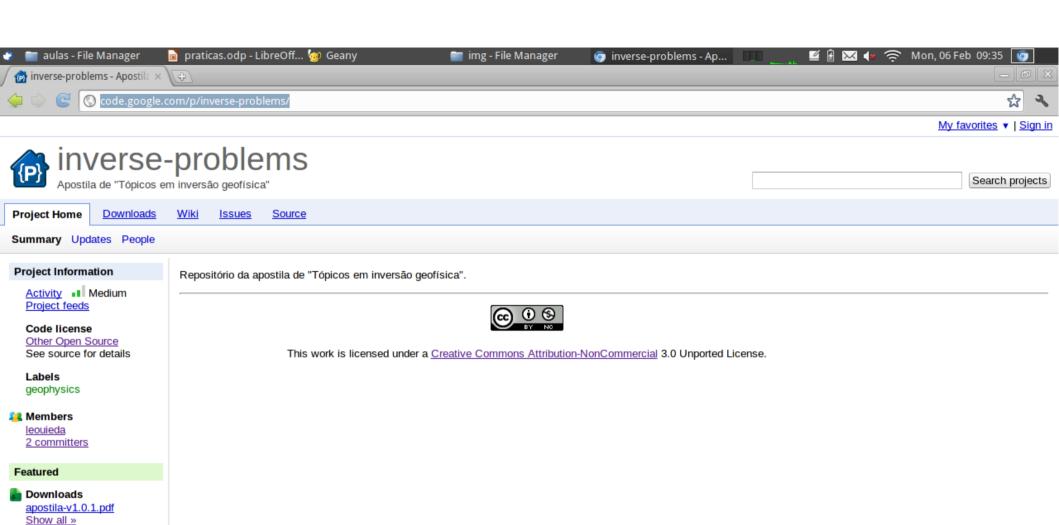
- http://code.google.com/p/inverse-problems/
- Apostila
  - PDF
  - Código Latex
  - Figuras
- Slides
- Práticas

## Apostila

### **Creative Commons:**

- Livre para:
  - Compartilhar
  - Editar
- Contanto que:
  - Atribuição
  - Não comercial





©2011 Google - Terms - Privacy - Project Hosting Help

Powered by Google Project Hosting