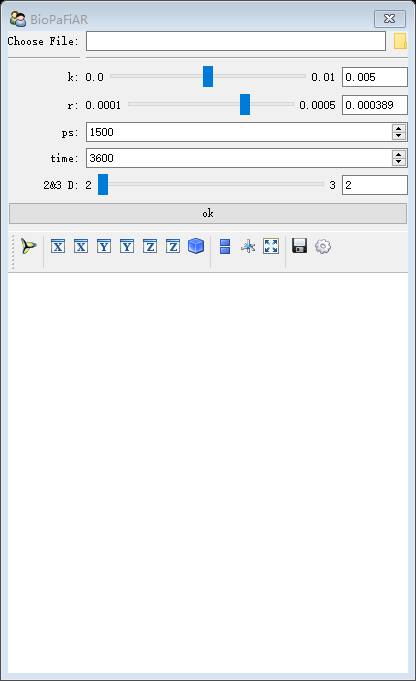
Operating instruction

This is a python program which involves the third party packages have: numpy, traits/traitsUI, mayavi and opencv-python. Triats/traitsUI is used to write the graphical interface and using mayavi to show the result. Numpy and opencv-python are using to slove partial differential equation and processing images. You can download and install all it them by reference to the official document.

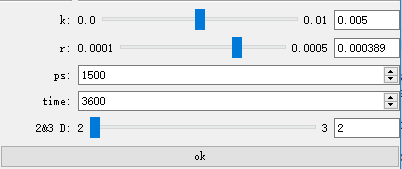
After running this program, you can see the UI:



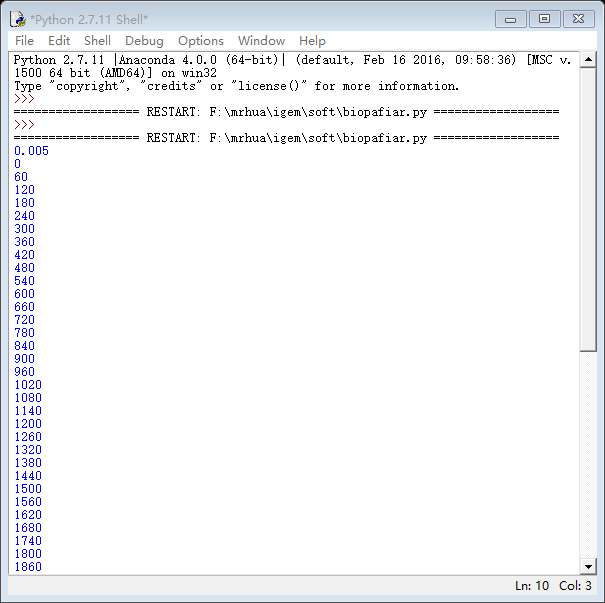
Click the yellow button behind the “Choose File” to choose target picture.



Change value of k, r, ps and time respectively to choose the best value.



2&3D is given to choose the display mode of result. After adjusted the parameters, click “ok” button and you can see the result in the bellow box. But computing time will be relatively long and window will be no response during this period. The greater the value of parameter time, the longer the time. You can the progress in shell window.



The following is an example result. In 3D view, you can hold on the left mouse button and move the mouse to rotate the view, or hold on the right middle button and move the mouse to pan the view, or hold on the middle button and move the mouse or scroll wheel to zoom in or out the view

