

Nikolay Smirnov

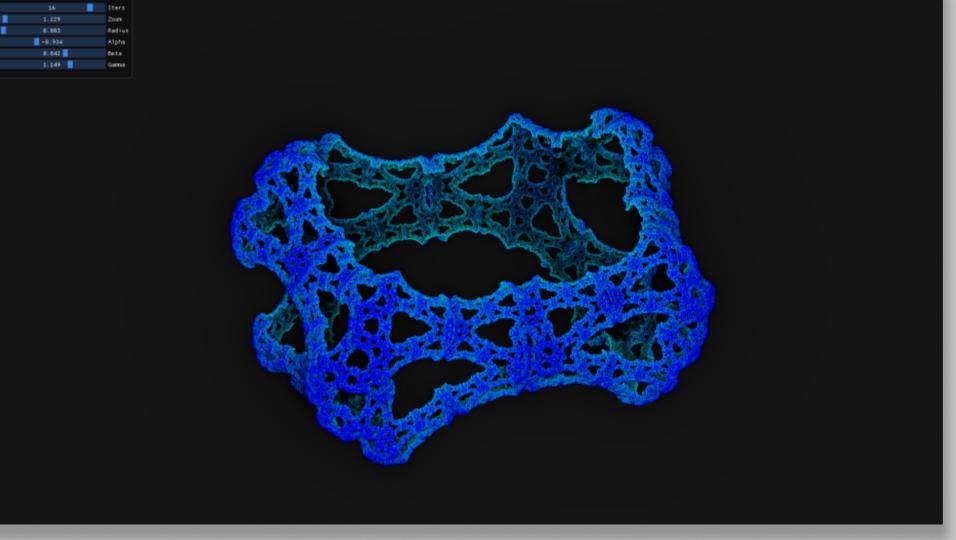
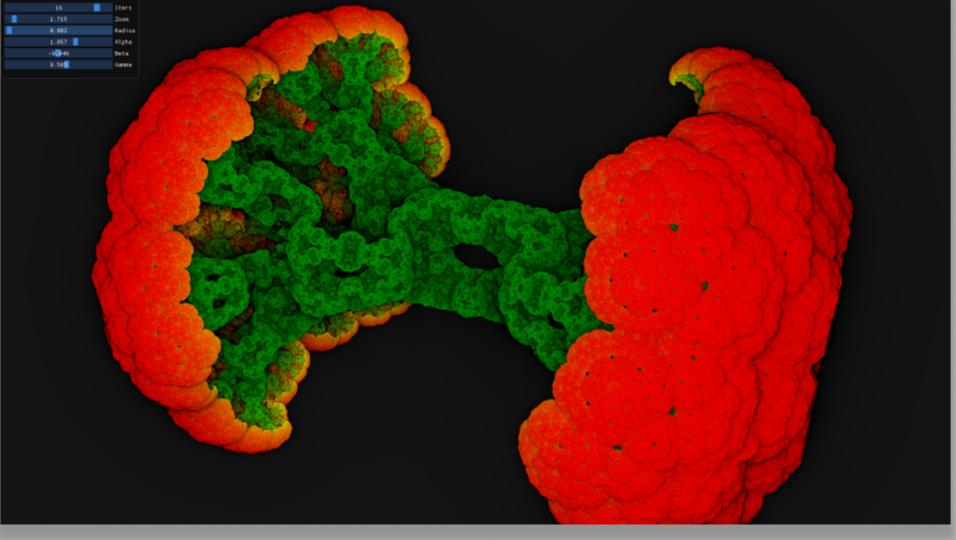
Education

- [ITMO University](#), Saint Petersburg, Russia 2018–2022
- [Computer Science Center](#), Saint Petersburg, Russia 2020–2022

Work Experience

- [JetBrains](#), Software Engineering Intern Summer 2020
Developed feature-rich data viewer for PyCharm. Data viewer allows to interact with numpy/pandas two-dimensional arrays during debug session and from Python console. Thrift protocol is used to pass data between Python process and Java.

Pet Projects

- [“Python GL toy”](#), Python, OpenGL 2020
Playground for fast shader prototyping. In examples: 3D IFS fractals, Mandelbrot set, Sierpinski tetrahedron.


- [“Moonshine”](#), C++, OpenGL 2020
OpenGL graphics engine using core profile mode. The main feature now is rendering the isosurface of a dynamic scalar field. Modification of “Marching cubes” algorithm is used to extract indexed mesh that represents the isosurface.

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