

Claude Heiland-Allen

claude@mathr.co.uk

Claude Heiland-Allen⁰ is an artist from London interested in the complex emergent behaviour of simple systems, unusual geometries, and mathematical aesthetics.

⁰mathr.co.uk

From 2005 through 2011 Claude was a member of the GOTO10¹ collective, whose mission was to promote Free/Libre Open Source Software in Art. GOTO10 projects included the make art² festival (Poitiers, France), the Puredyne³ GNU/Linux distribution, and the GOSUB10⁴ netlabel.

¹goto10.org

²makeart.goto10.org

³puredyne.org

⁴gosub10.org

As part of GOTO10 Claude developed the backend for the make art and GOSUB10 websites, packaged software for Puredyne, and assisted workshops. He released two EPs on the GOSUB10 netlabel.

Claude has performed, exhibited and presented internationally, including in the United Kingdom (London, Cambridge, Winchester, Lancaster), the Netherlands (Leiden, Amsterdam), Austria (Linz, Graz), Germany (Cologne), France (Poitiers, Paris), Spain (Gijón), Norway (Bergen), Slovenia (Maribor), Finland (Helsinki), and Canada (Montreal).

Claude's larger artistic projects include RDEX⁵ (an exploration of digitally simulated reaction-diffusion chemistry) and mightymandel⁶ (a GPU-accelerated Mandelbrot set fractal explorer). He is also in the process of writing a book about the Mandelbrot set, bridging the gap between light introductory texts and hard mathematical theses.

⁵rdex.mathr.co.uk

⁶mathr.co.uk/mightymandel

As a software developer, Claude has developed several programs and libraries used by the wider free software community, including pdlua⁷ (extending the Pure-data multimedia environment with the Lua programming language), buildtorrent⁸ (a program to create .torrent files), and hp2pretty⁹ (a program to graph Haskell heap profiling output).

⁷mathr.co.uk/blog/pdlua.html

⁸mathr.co.uk/blog/torrent.html

⁹mathr.co.uk/blog/hp2pretty.html