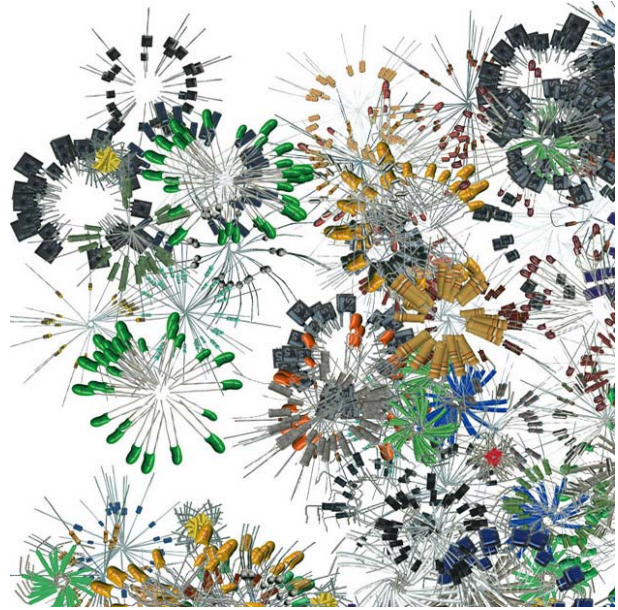


Experiments in Digital Surface Generation: Stochastic methods of making interesting and beautiful textures

An LKL Maths-Art seminar by
Simon Schofield
Tuesday 12 February,
6.00 – 7.30pm
London Knowledge Lab, WC1N 3QS



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Simon Schofield creates digital images of enormous vitality and complexity, each composed from immense constellations of detailed sub-elements. He uses this technique to capture the vibrancy seen in nature and scientific phenomena, or to explore the limits of drawing and pattern using vast fields of tiny drawn elements and endless reconfigurations of decorative symbols and motifs. Despite their complexity, many of his images achieve a quietly meditative, oceanic quality.

In order to construct these surfaces Simon has developed new software tools that assemble the images over time, using many thousands of repeated operations, according to sets of rules.

These are then saved out and printed on to paper or fabric in a range of sizes in order to expose their full richness. This talk will focus on the role of controlled randomness in image making.

Simon Schofield [www.simonschofield.net] is a software designer and visual artist. His past developments include the Piranesi 3-D painting system, and the AudioROM interactive music system. The work presented in this seminar is as a result of a 2-year NESTA Fellowship.

All welcome. No registration or ticket required, but an email to lkl.maths.art@gmail.com is appreciated to assist with planning.

LKL Maths-Art seminar series

Website and archive: www.lkl.ac.uk/events/maths-art

This seminar is part of a regular series of maths-art seminars held at the London Knowledge Lab, usually on the second Tuesday of each month during term times. To receive email announcements about events, subscribe to the mailing list at www.dcs.bbk.ac.uk/mailman/listinfo/lkl-maths-art.

We propose these seminars as explorations of the connections between "mathematics" and "art", where both terms are understood broadly: art implies visual art (painting, drawing, sculpture, computer graphics, video), architecture, music, textile art, literature/poetry (and others), and mathematics implies both mathematics as a discipline and the related disciplines in science and engineering for which mathematics is an essential means of expression and communication.

Next seminars: **11th March**, Cameron Browne, Truchet curves and surfaces. **8 April**, Penelope Woolfitt, (title TBC).

Seminars are normally video-recorded for viewing on the website.

The seminar organisers are John Sharp and Phillip Kent. We welcome your suggestions about speakers or topics for future seminars; email us at lkl.maths.art@gmail.com.

Getting to the London Knowledge Lab

Nearest tube stations are: Holborn (Central, Piccadilly lines), Russell Square (Piccadilly line). Approximately 10-15 minutes walk from either station.

