

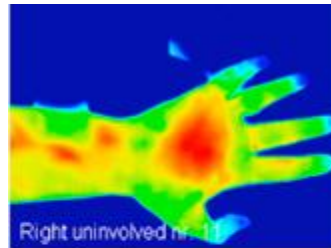


FLIR – Infrared and Thermal Imaging

**Sample Images
to Illustrate New Software Potential**

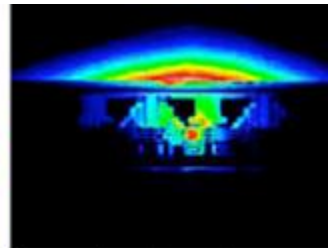
Sabine K McNeill

The Input

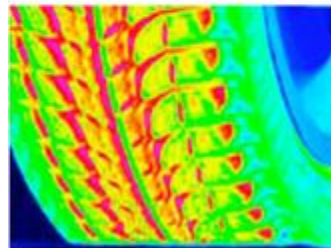


Right uninvolved hand

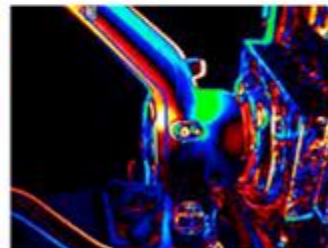
Medical Research



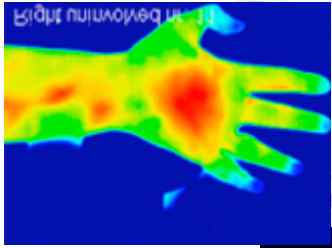
Memory chip quality control



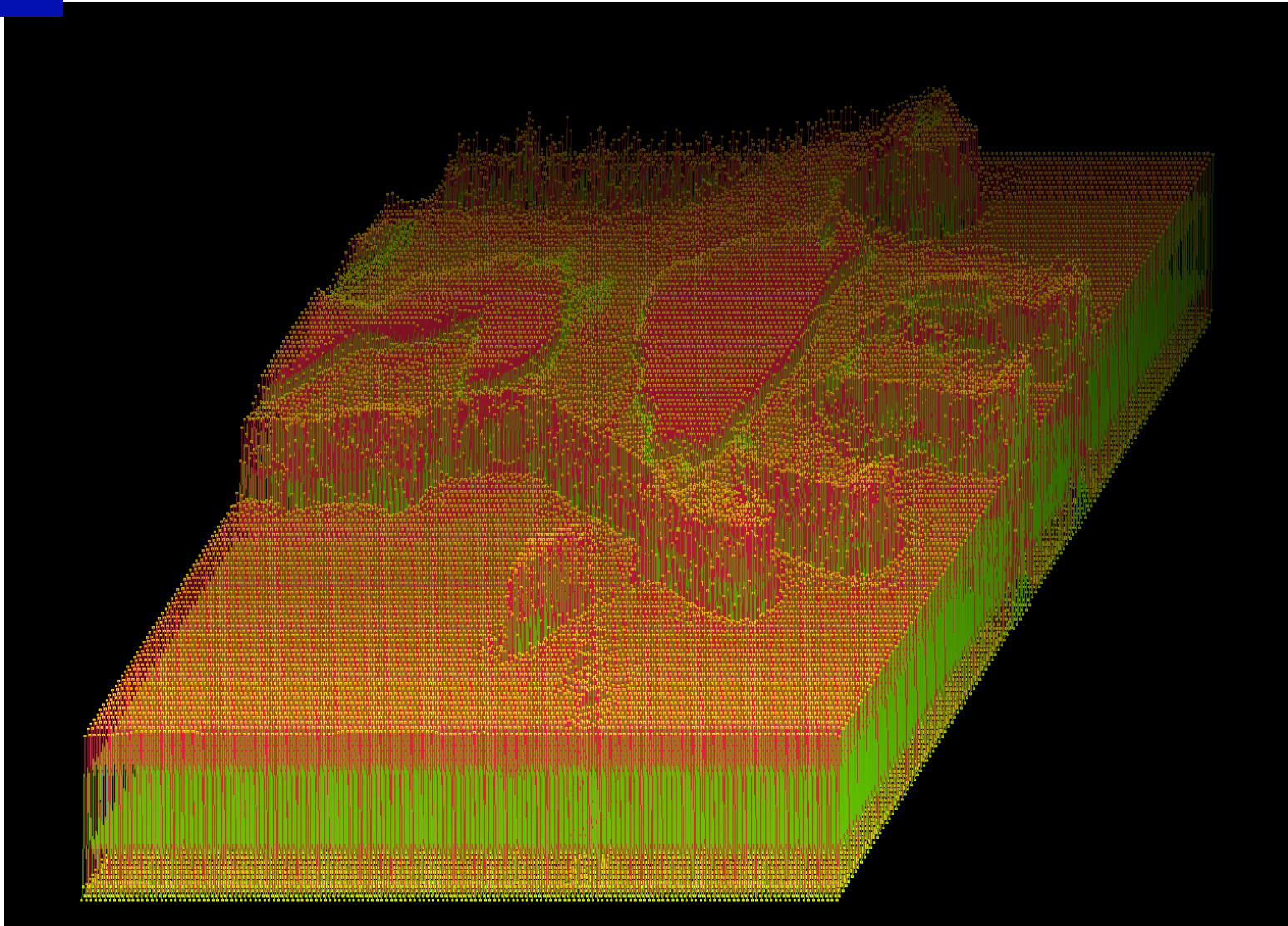
Tyre testing

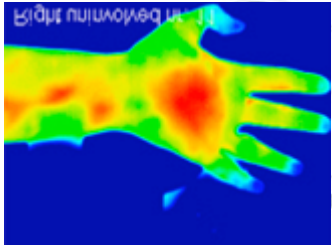


Stress Analysis

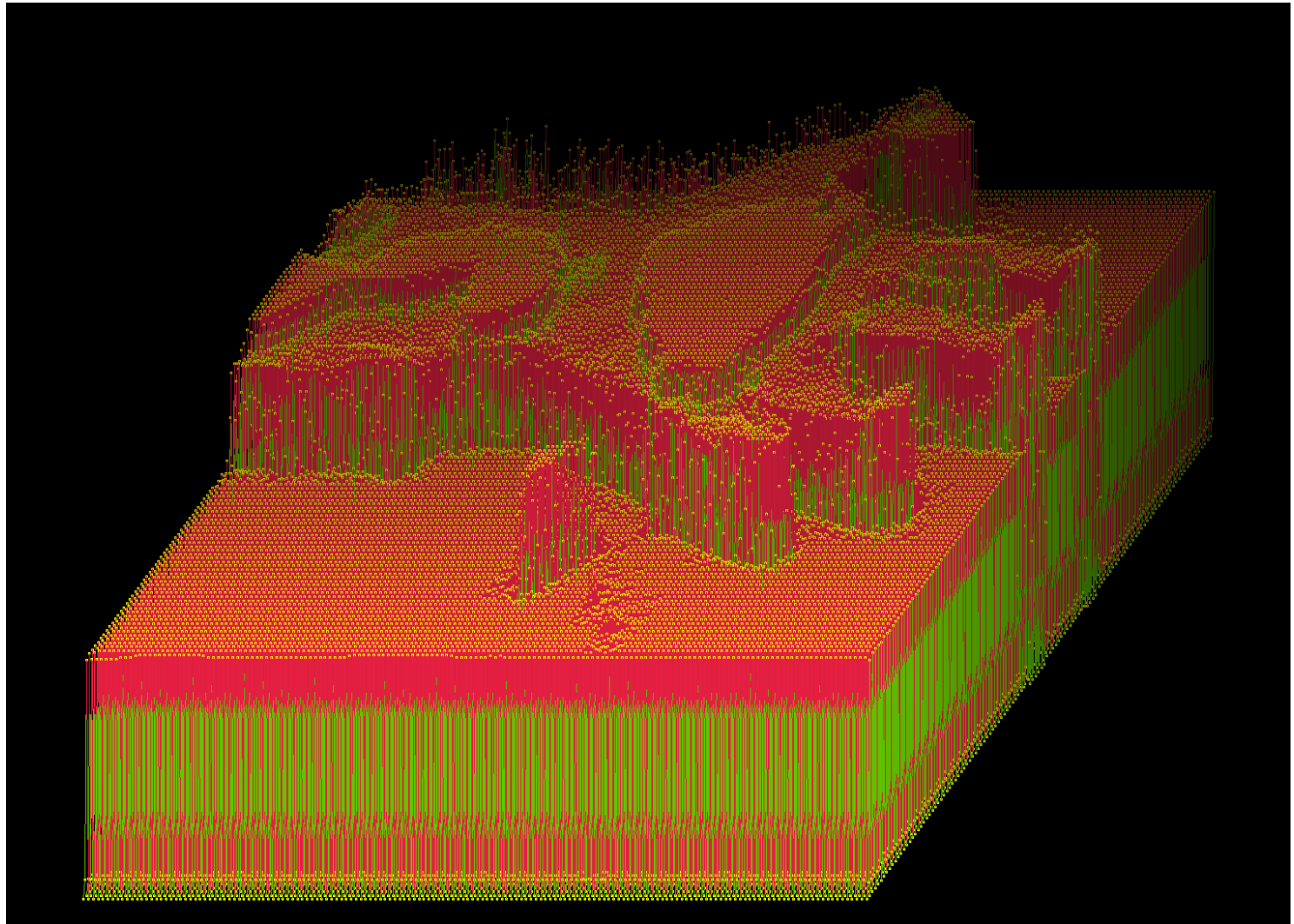


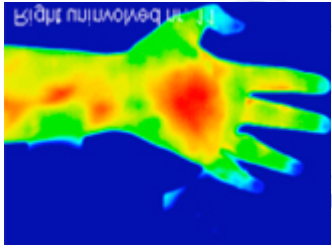
Re-Visualization 1: Hand



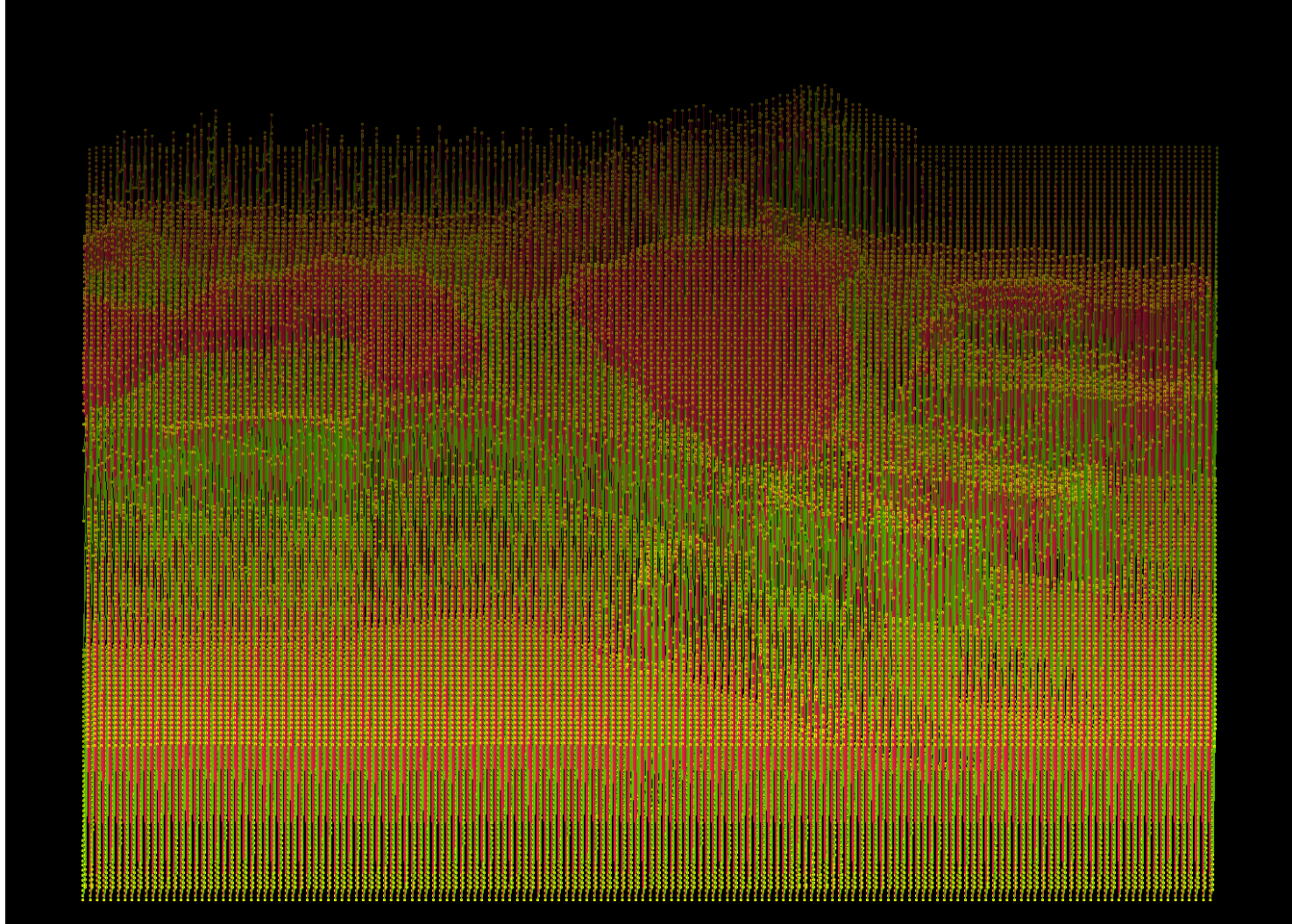


Changing Visualization Parameters

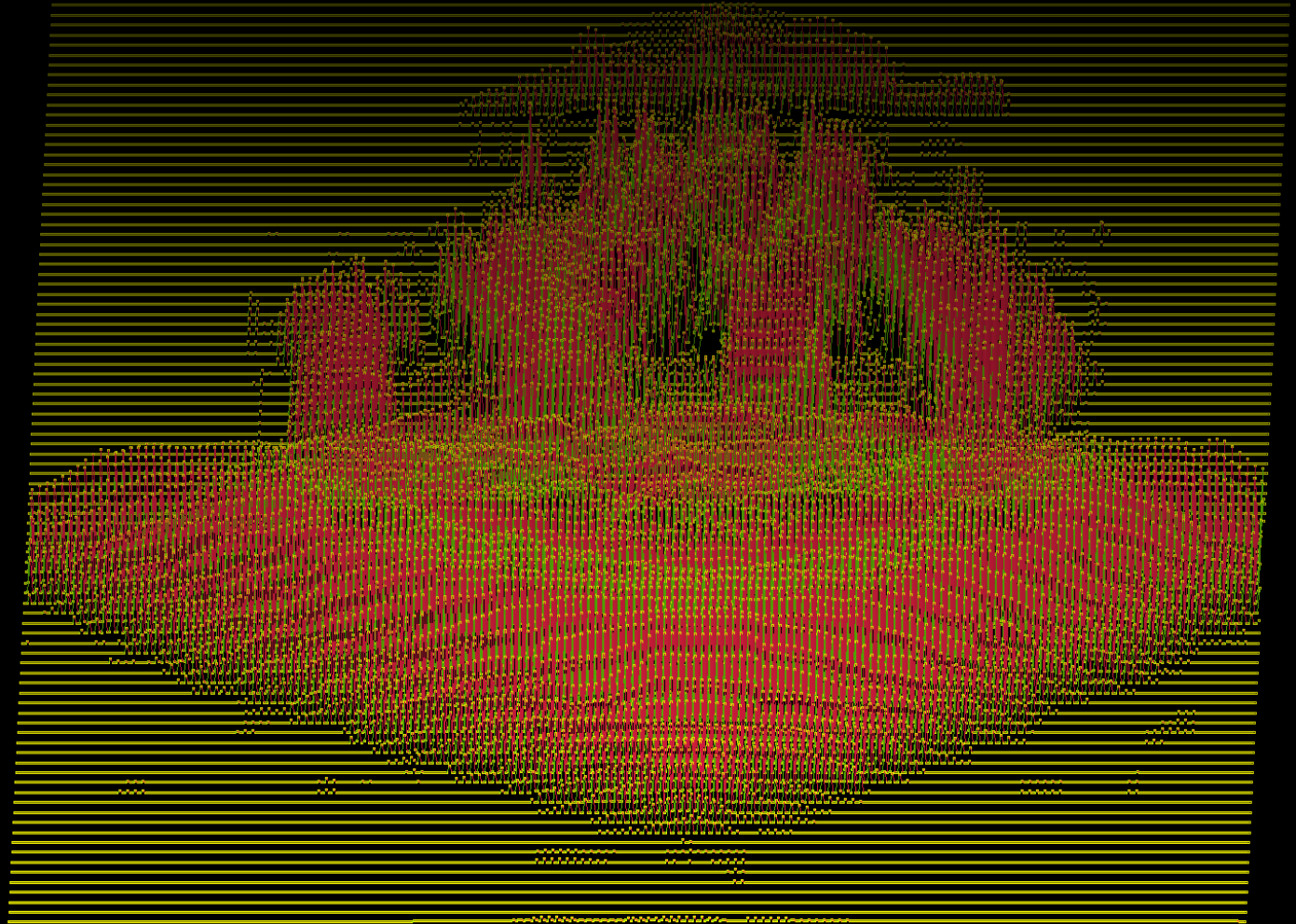
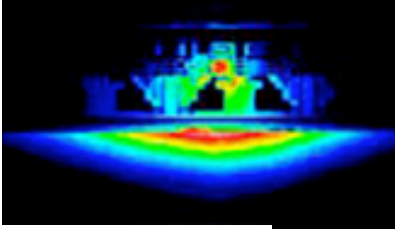




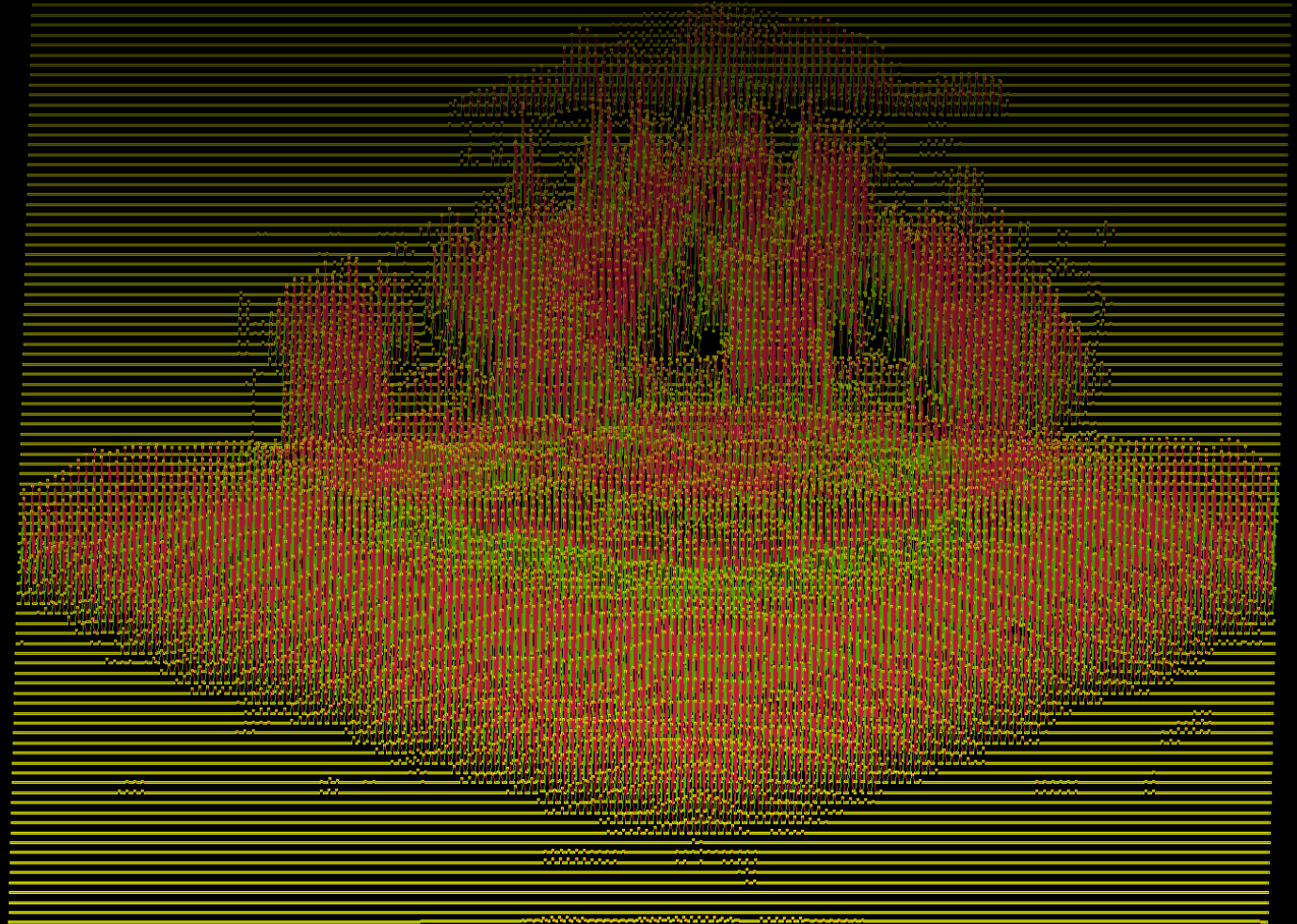
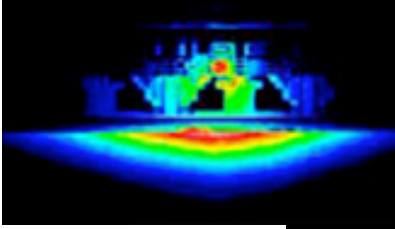
Changing Visualization Parameters



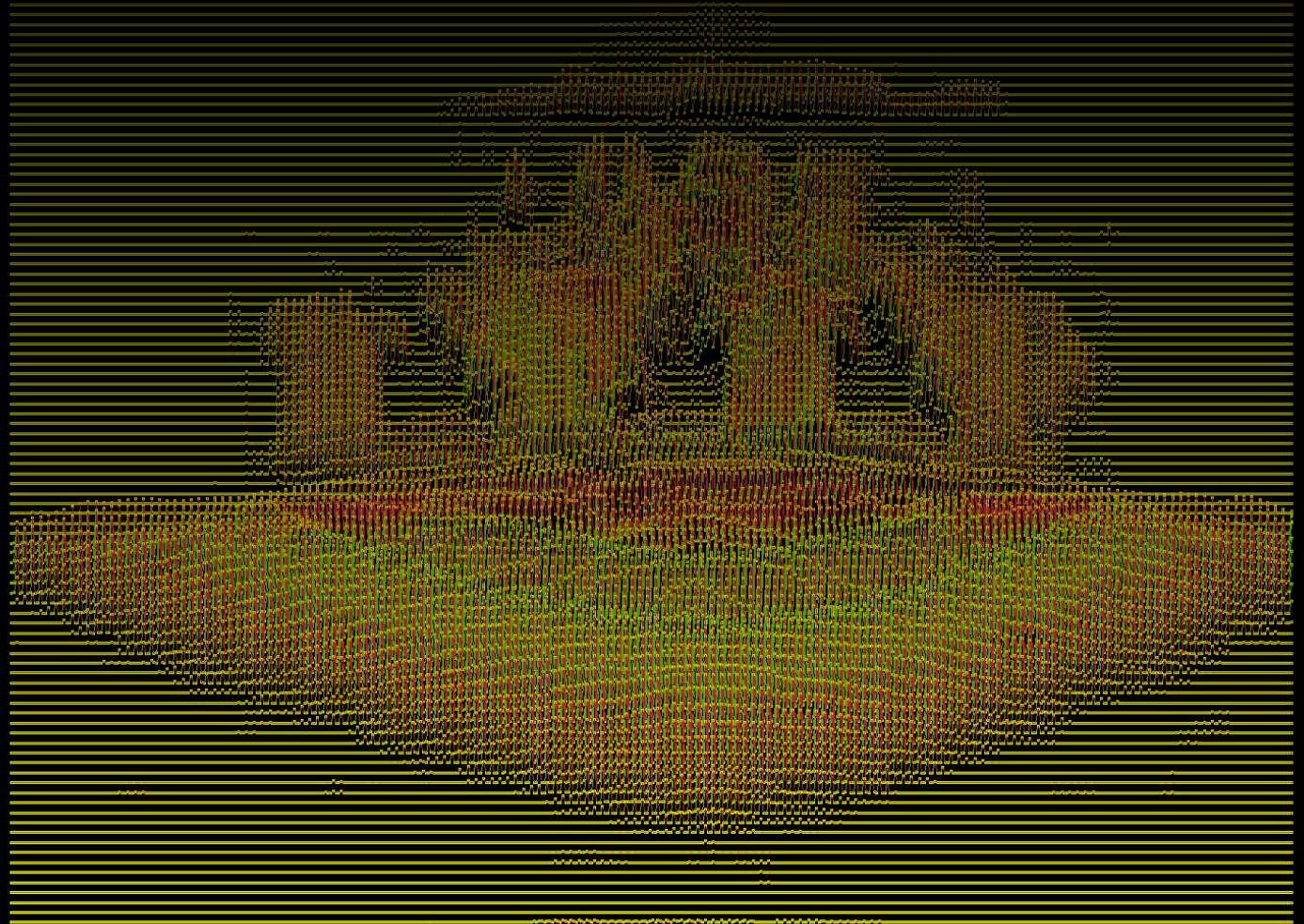
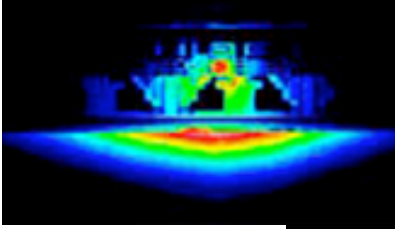
Re-Visualization 2: Chip

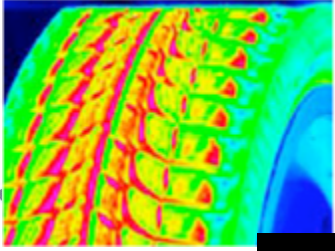


Changing Visualization Parameters

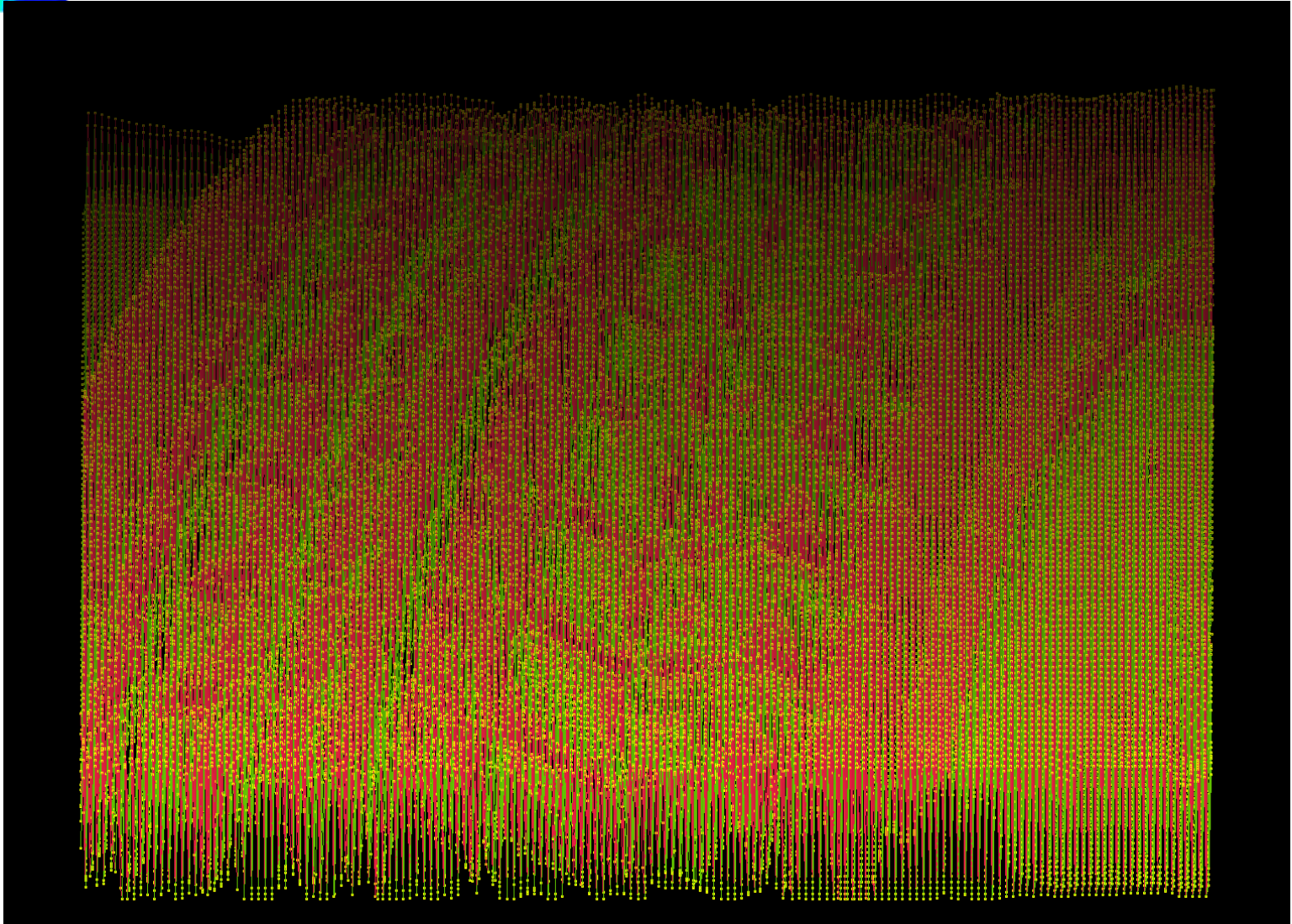


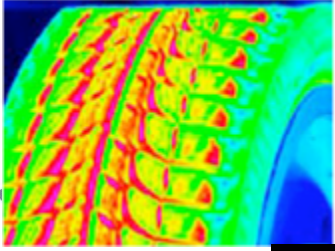
Changing Visualization Parameters



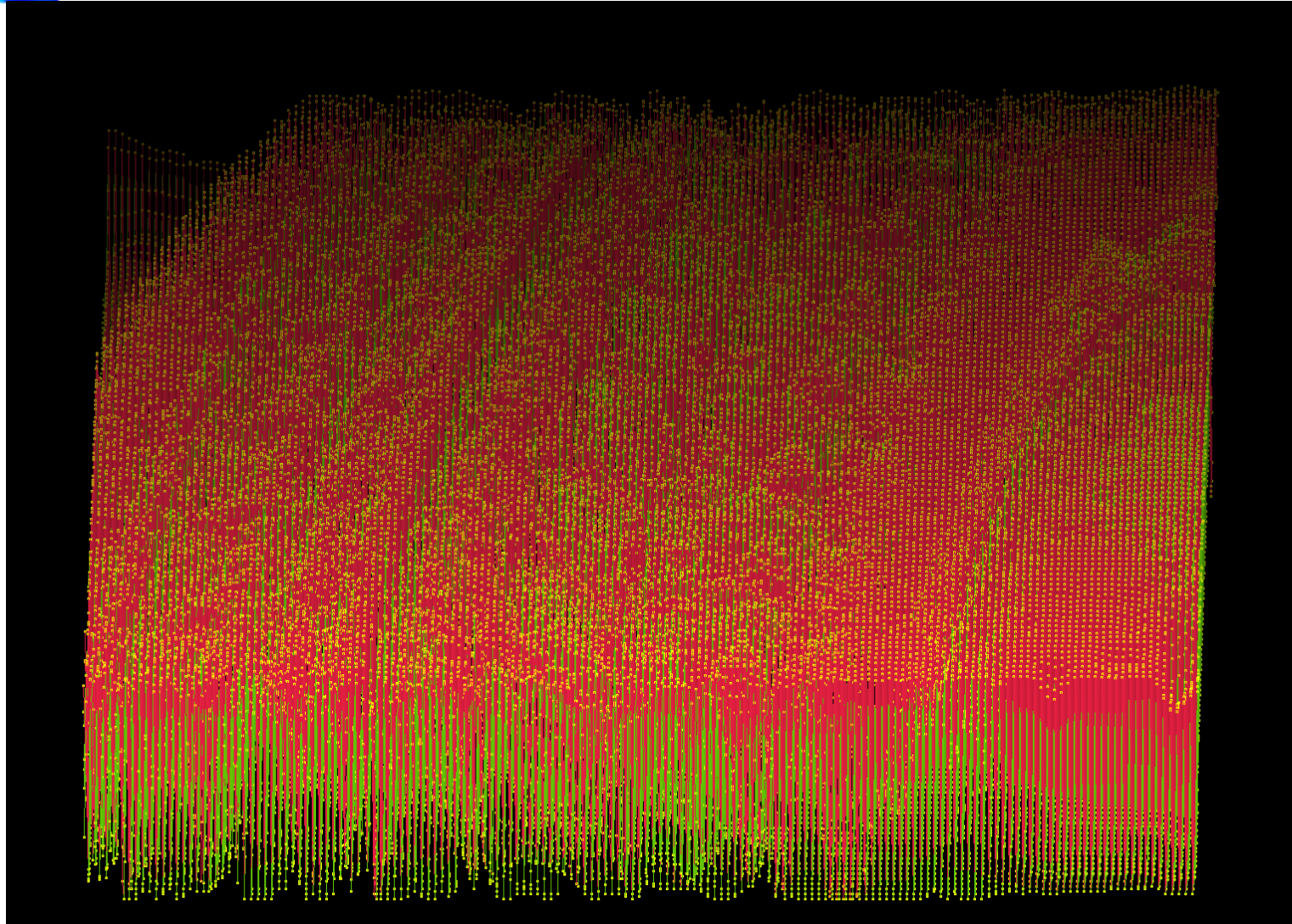


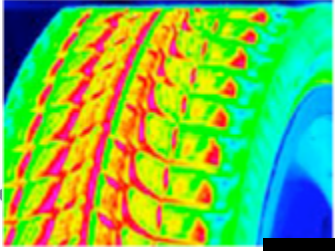
Re-Visualization 3: Tyre



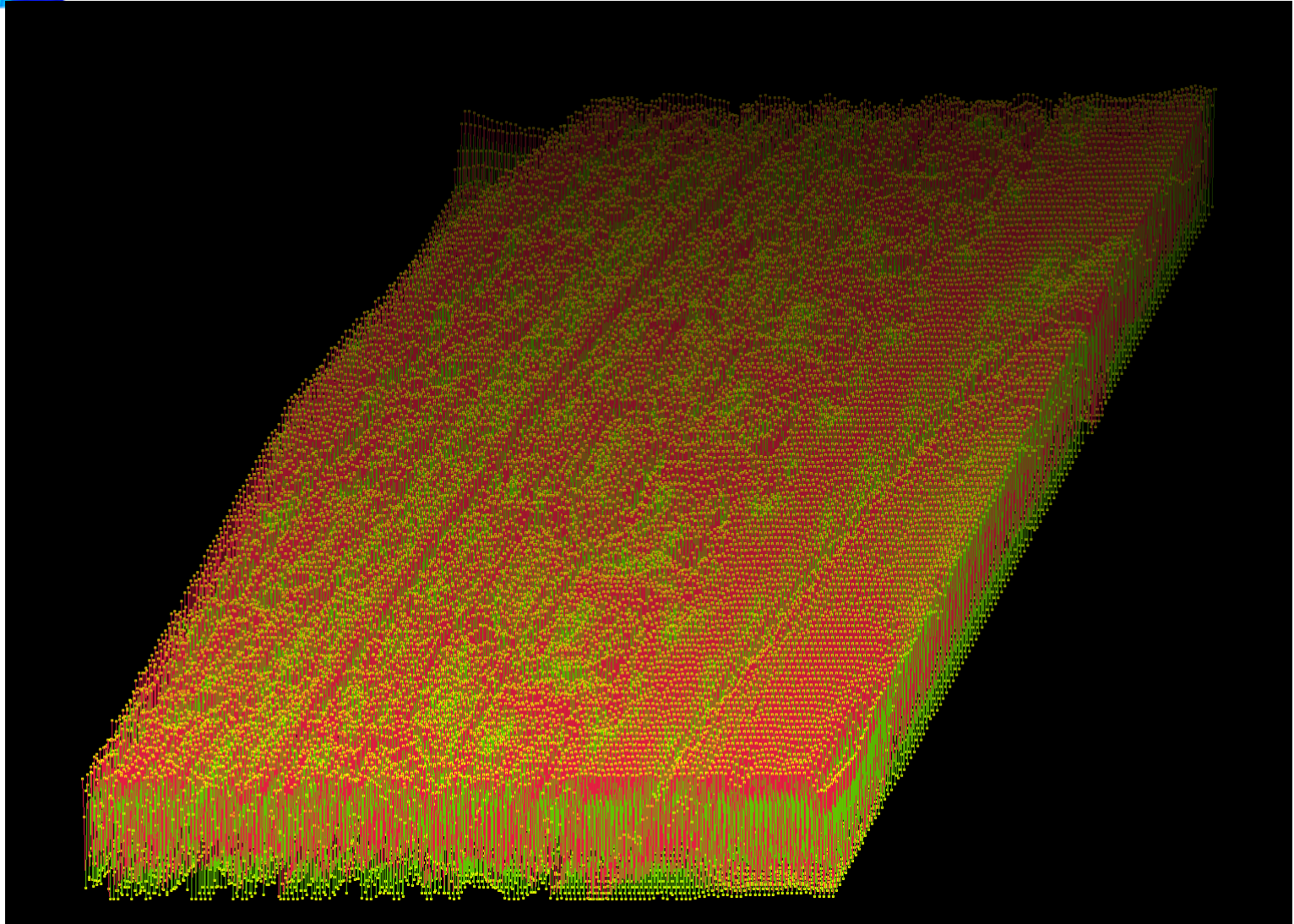


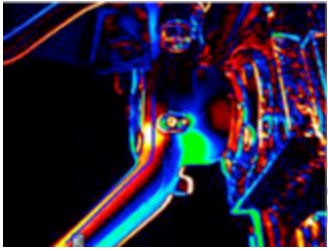
Changing Visualization Parameters



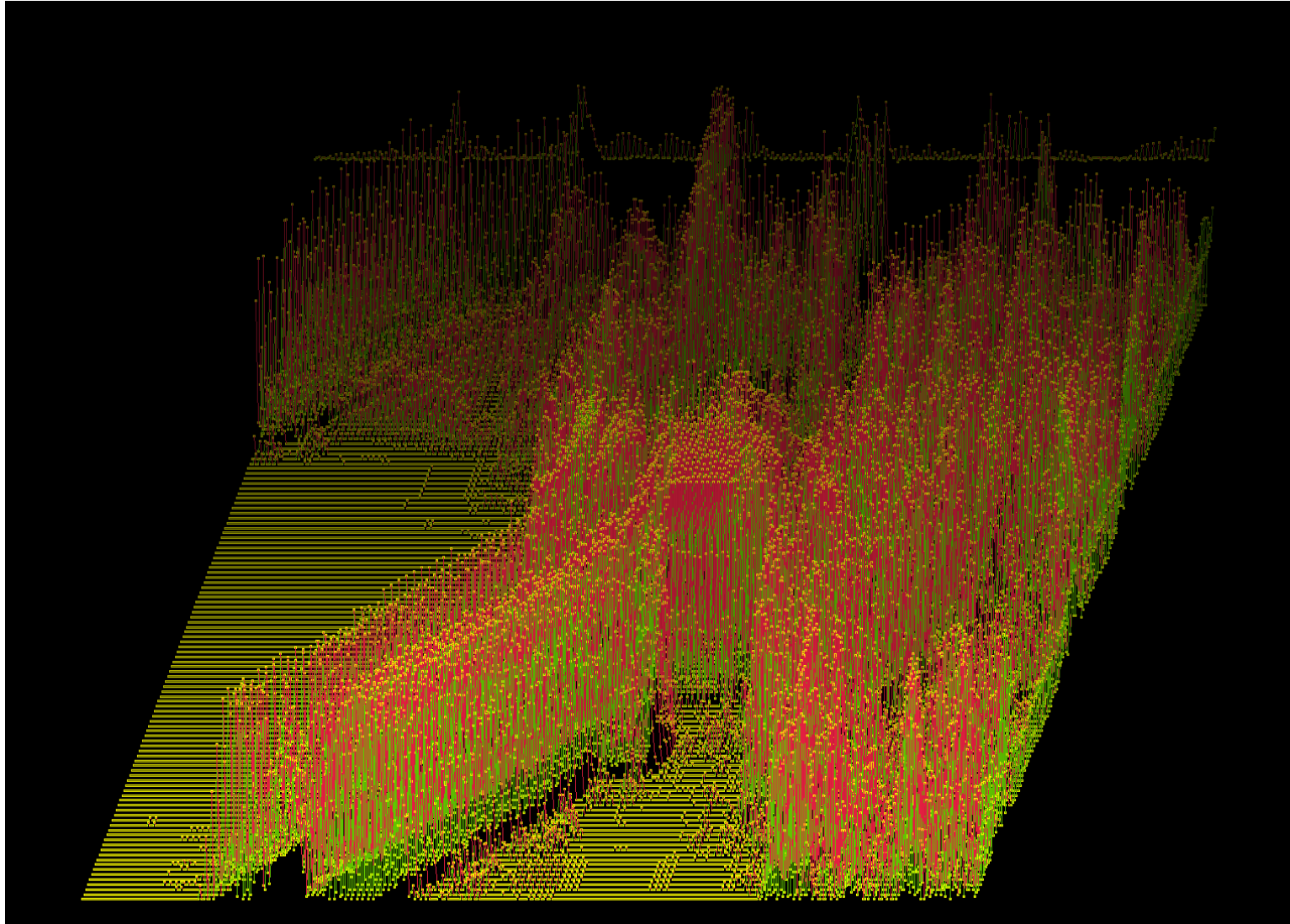


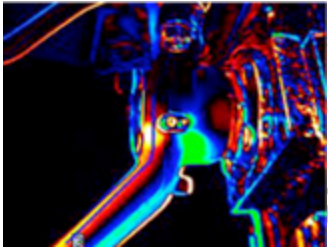
Changing Visualization Parameters



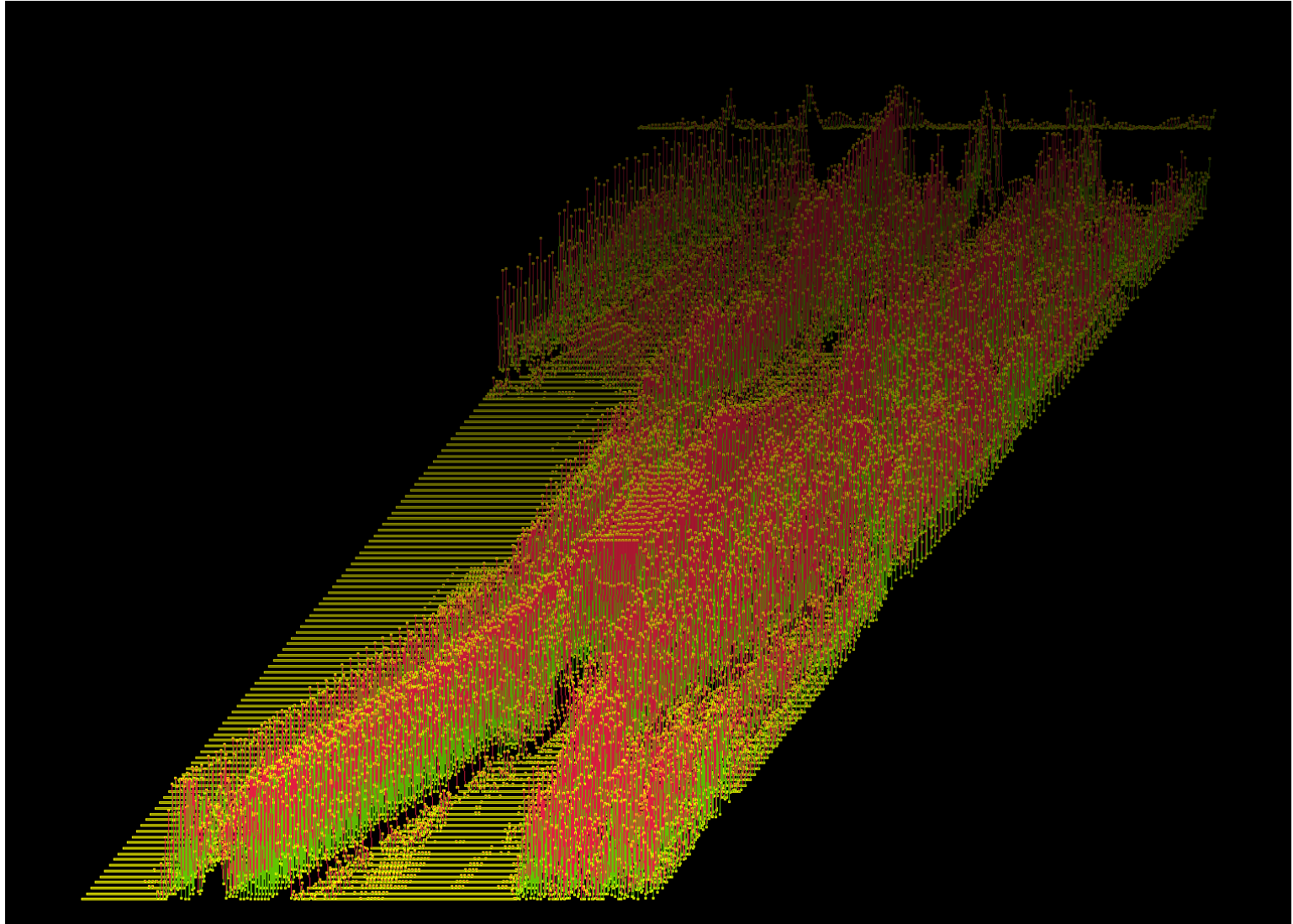


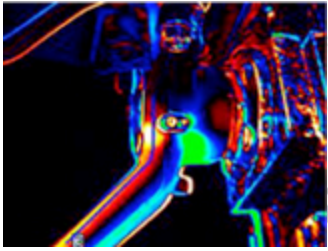
Re-Visualization 4: Stress



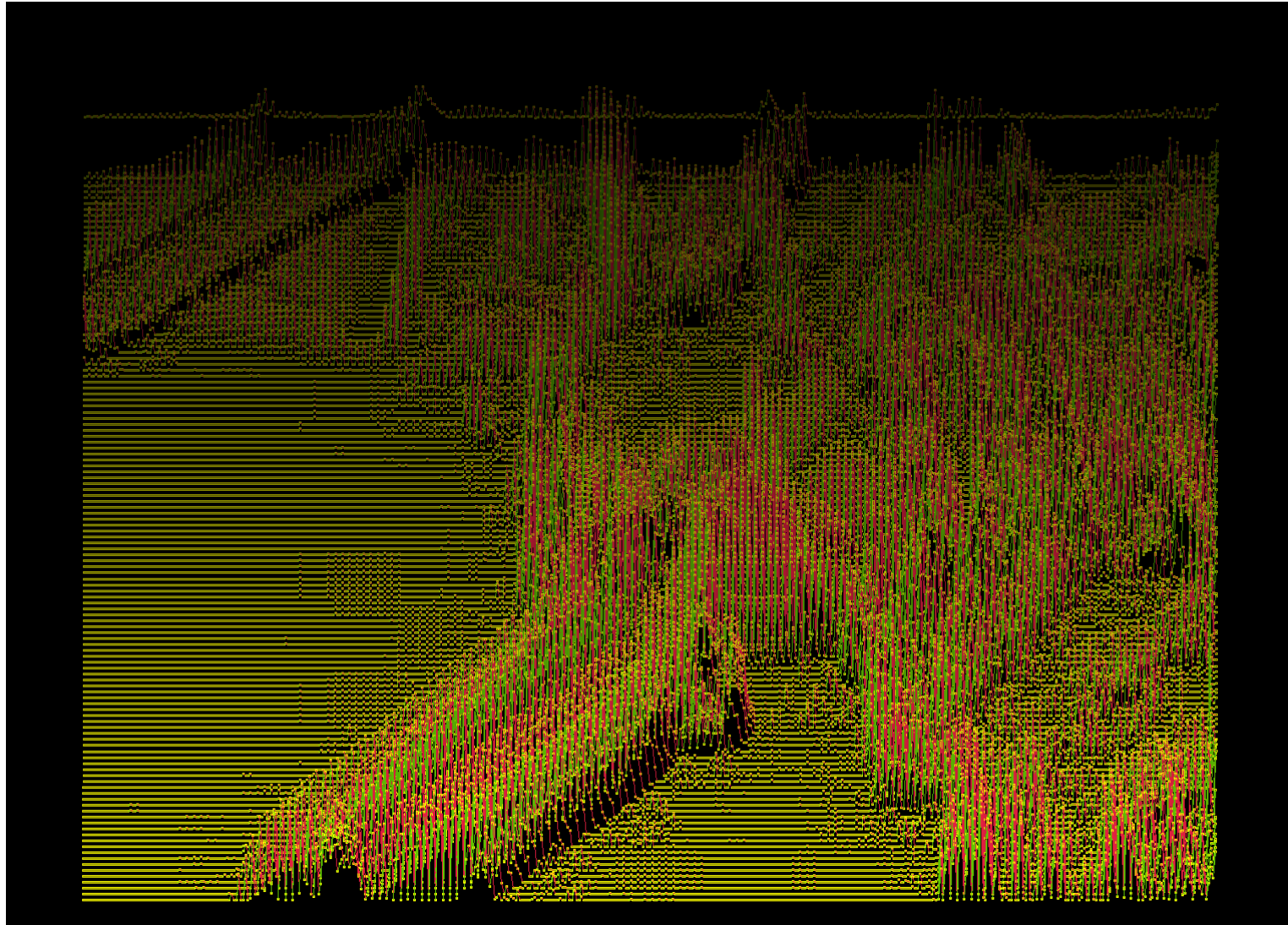


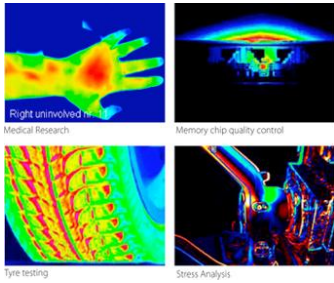
Changing Visualization Parameters





Changing Visualization Parameters





In Summary

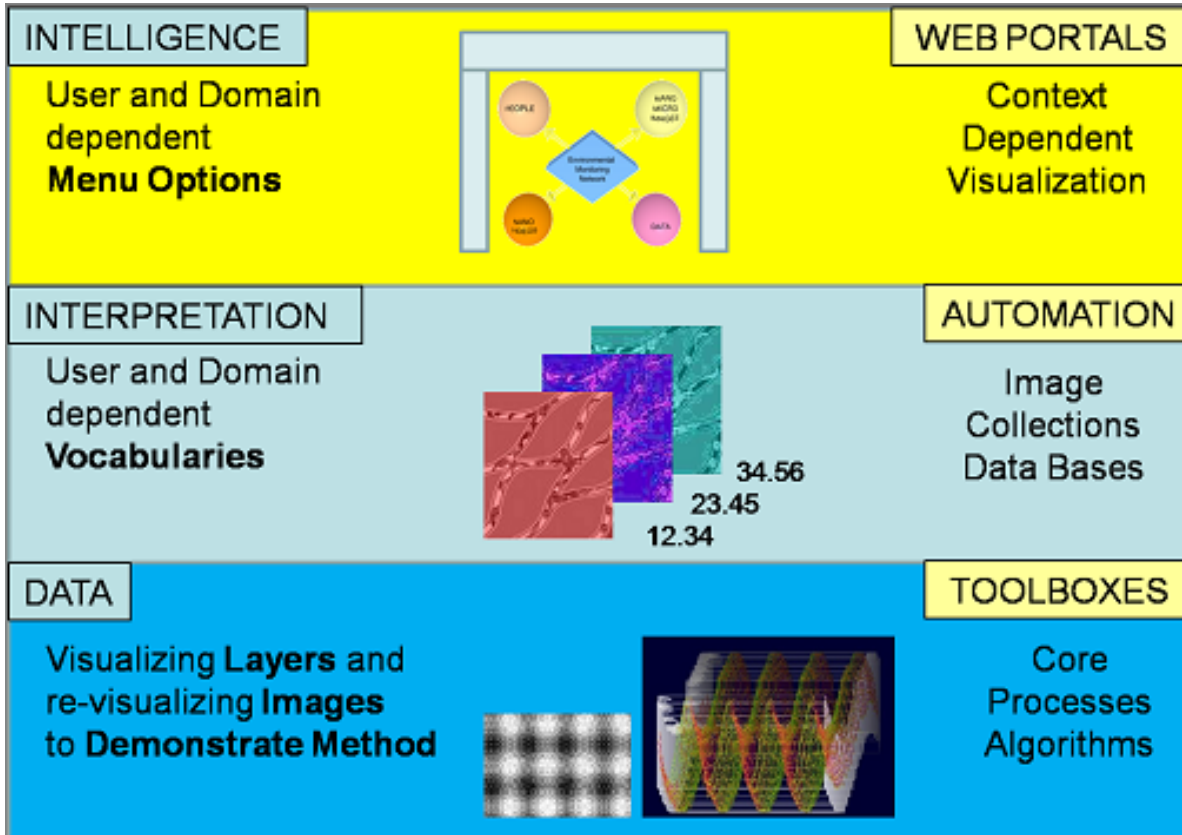
Human Vision

- Visual 3D effects
 - Colour
 - Contrasts
- Machine Vision
 - Imaging technologies

“3dM Software Vision”

- New 3D perspectives
- More visual details
- More metric accuracy
 - New image qualities
- “3dM Image Processing”
 - “Numerical meta data” for images as a whole => sorting, ranking, selecting
 - “Image metrics” for image components => comparing

Proposal



Developing an 'expert portal' for analysing and processing

- infrared images
- thermal images

Human Analysis requires vocabulary for

- **describing** image contents.

Software Processing requires vocabulary for

- **quantifying** image contents.



Contact

www.3d-metrics.com

sabine.mcneill@3d-metrics.com

T: 020 7328 3701

M: 07968 039 141