



CONSTELLATION ACTION

Combining bits, beats and atoms.

BASIC INFO

Released:
September 2013

Client:
Copernicus Science Center

CREDITS

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MORE

<http://pangenerator.com/#projects/project-constellation>

Driven by the frustration of complexity in interactive installations, **panGenerator** artists, invited by the **Copernicus Science Center** for the **Transformations Festival**, created a unique experience that generates intricate emergent behavior based on very simple and autonomous building blocks.

A single component was created: a vacuum formed tetrahedron, with a light sensor, an LED, and a tiny speaker inside, driven by ATtiny24A microcontroller. When there is a sudden change in light intensity, like a participant pointing a flashing light at it, the tetrahedron provides a delayed response of a flash of light and a sound blip. If you align a few of these tetrahedrons together, flashing the first one will cause a chain reaction of light and sound - one feeding of it's neighbor, and so on. The participants have a fundamental role in shaping whatever happens to this light and sound wave that is formed when you align the **400 blinking tetrahedrons** available in the installation.