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12883 Tessel [Objects, Events]

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Tessel is a collaboration between David Letellier and [Lab \[au\]](#), a Brussels based *transdisciplinary* studio. The kinetic installation investigates the perception of sound and space, inspired by the notion of "tessellation", a term applied to the geometric subdivision of a surface into plane units.

Tessellation has been applied throughout history from ancient to modern times, from two to n-dimensional configurations and merges science and art through mathematics. Here Tessel is based on the 'pinwheel pattern', a non-periodic tiling coined by mathematicians Charles Radin and John Conway, which allows the creation of an infinitely complex geometry constructed with a simple single "seed": a right triangle. Here, the pinwheel pattern is transformed, folded and transposed to the third dimension.

The installation includes suspended topography of 4 x 2 m, subdivided into forty triangular mirrors (using the '[Pinwheel Tiling](#)' method). Twelve triangles are fitted with motors and eight triangles are equipped with audio transducers, which transform the surface into a dynamic sonic space. *A dialogue between space and sound is created as the surface slowly modifies its shape, our perception of it altered through continuously changing light and sound reflection.*

Read more at [mediaruimte.be](#) and [nielswouters.be/tessel](#) (in Dutch).

The exhibition runs until December 6, 2010. From Sunday to Thursday between 16h and 21h in the [media room](#), Laekensestraat 104, 1000 Brussels.

Tessel is a co-production of the galleries MediaRuimte (Brussels) and [Roger Tator \(Lyon\)](#), Realized with the financial support of – [Arcadi](#) – Commission des [Arts Numériques de la Communauté Française de Belgique](#)

Filmed by [Niels Wouter](#)

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