



Dances in Flatland

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Three dimensional pulses of air, generated by playing musical selections across the flat surface of a soap film stretched on a wire frame, are driven by a small speaker visible in the lower left hand corner of the video. Opening with a simple horizontal banding of interference patterns, vortices begin to flow across the two-dimensional surface forming dynamic patterns captured in green light by a digital

video camera. [See figures above.]

The video consists of three selections from the CD, "Antonio Vivaldi, *The Four Seasons*," arrangements and compositions by Jacques Loussier. The vortices, like the music they represent, are vigorous and dynamic. As the music begins to soften, the horizontal interference banding reappears across the upper portion of the soap film, and the patterns within these bands, mirroring the musical qualities, become more delicate.

In the third and final selection, vortices are mixing at high velocity across the entire surface of the soap film, and the video ends with the shattering of the surface.