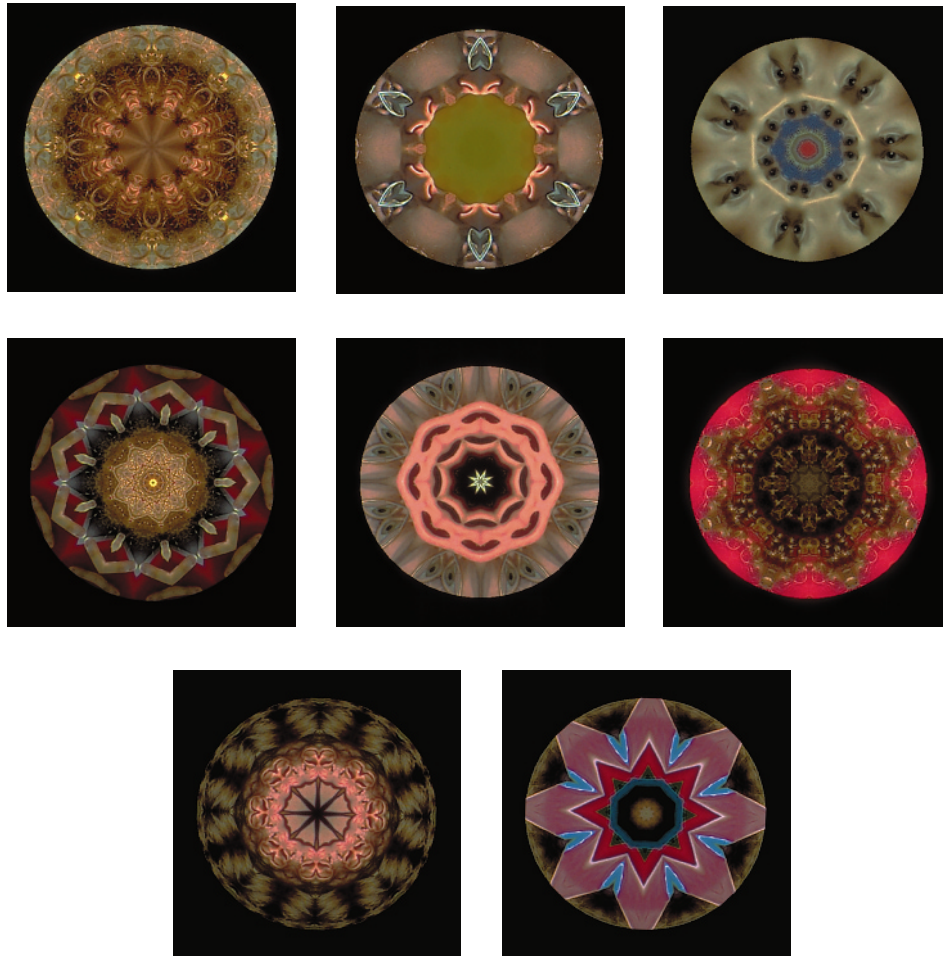


This interactive project introduces a multimedia experience using an interactive kaleidoscope. The lamoscope uses a video camera lens as the eye of a kaleidoscope and projects a kaleidoscopic image of the participant onto a large screen. A vision subsystem is coupled to the electronic eye to control musical tones using a sustain algorithm. A wireless microphone produces echoes corresponding to the audio analogue of the kaleidoscopic reflections.

Once inside the lamoscope, participants can gesture, dance, sing, and speak to control and choreograph the imagery and music in real time. Novices can easily produce beautiful images and music, while experts can continue to refine their skills for complex forms of expression. Both the audience and the participant engage in a rich aesthetic interactive experience.



CONTACT

Sidney Fels
 ATR Media Integration & Communication Research Laboratories
 Seika-cho, Soraku-gun
 Kyoto 619-02, JAPAN
 fels,mase@mic.atr.co.jp

COLLABORATORS

Dirk Reiners and Kenji Mase

