Graph Theory (2006), web site and performance

interactive web site and
concert work for solo violin or cello
Performance duration: 5-10 minutes

About

Graph Theory seeks to connect composition, listening, and concert performance by coupling an acoustic work for solo violin or solo cello to an interactive web site. On the web site, users navigate among sixty-one short, looping musical fragments to create their own unique path through the composition.

The navigation choices which users make affect future concert performances of the work. Before each performance, the soloist prints out a new copy of the score from the web site. That score presents her with a fixed path through the piece; the order of the fragments is influenced by the decisions that recent web site visitors have made.

Graph Theory is a 2005 commission of New Radio and Performing Arts, Inc., (aka Ether-Ore) for its Turbulence web site. It was made possible with funding from The Greenwall Foundation.

Graph Theory was created in collaboration with designer Patricia Reed and violinist Maja Cerar.

Performance History

Listening Machines (Atlanta). Exhibition only. April 2007.
Infinite Composing - Spor Festival (Denmark). Exhibition only. May 2007. (Jury selection.)
Live Herring (Finland). Exhibition only. October-November 2008.
Flash and Thunder (Germany). Exhibition only. 2010.
Forwind Horizontal Volumes (UK). Exhibition only. 2010.