The Mathematics in Music
A CONCERT-CONVERSATION WITH ELAINE CHEW

MONDAY | MAY 12, 2008 | 4:30 PM
Reception at 4:00pm outside Killian Hall
MIT KILLIAN HALL | 14W-111
160 Memorial Drive, Cambridge MA 02139

PETER CHILD: Doubles III* (1998) + Epilogue (1999)
TAMAR DIESENDRUCK: Sudoku Variations* (2006)
IVAN TCHEREPNIN: Fêtes – Variations on Happy Birthday (1975)
RODNEY WASCHKA II: A Simple Gift for Elaine* (2008)

* Pieces composed for CHEW.

PRESENTED BY ELAINE CHEW AND ALEXANDRE FRANÇOIS AS PART OF THE ACTIVITIES OF THEIR RESEARCH CLUSTER ON ANALYTICAL LISTENING THROUGH INTERACTIVE VISUALIZATION AT THE RADCLIFFE INSTITUTE FOR ADVANCED STUDY.

Featuring pianist-engineer ELAINE CHEW (MIT ORC, SM '98, PhD '00), this innovative event will demonstrate mathematical principles in music through discussions on, and performance of, contemporary compositions, and live demonstration of Chew & François' MuSA.RT interactive tonal analysis and visualization system.

CHEW is a professor at the University of Southern California Viterbi School of Engineering, and (soon) the USC Thornton School of Music, and has produced and performed classical concerts worldwide. A pioneer building an academic career at the intersection of music and engineering, she has been recognized by the NSF Career and PECASE awards.
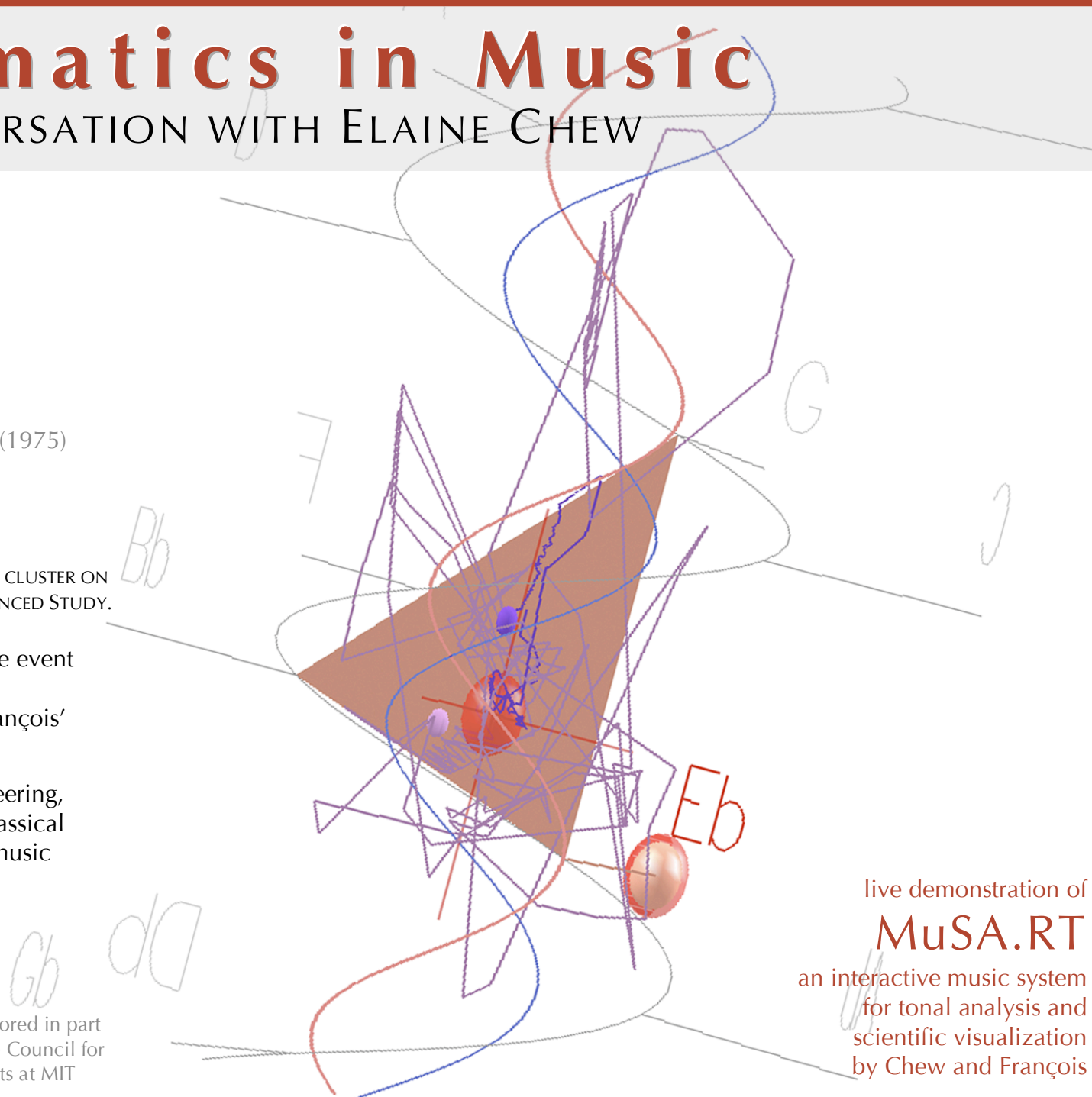
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Massachusetts
Institute of
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Jointly organized by the MIT
Department of Mathematics and
Music & Theater Arts Section

Sponsored in part
by the Council for
the Arts at MIT

live demonstration of
MuSA.RT
an interactive music system
for tonal analysis and
scientific visualization
by Chew and François