

Technology and Research for Music Notation

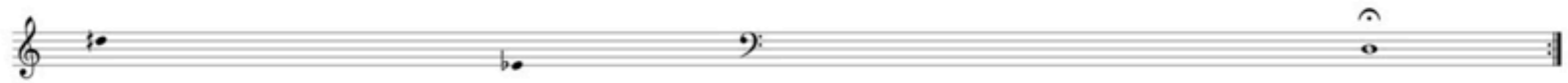
AFIM work groupe

The new spaces of musical notation

Dominique Fober - GRAME, Lyon
Jean Bresson - IRCAM, Paris
Pierre Couprie - IReMus, Université de Paris-Sorbonne
Yann Geslin - INA / GRM, Paris
Richard Hoadley - Anglia Ruskin University, Cambridge

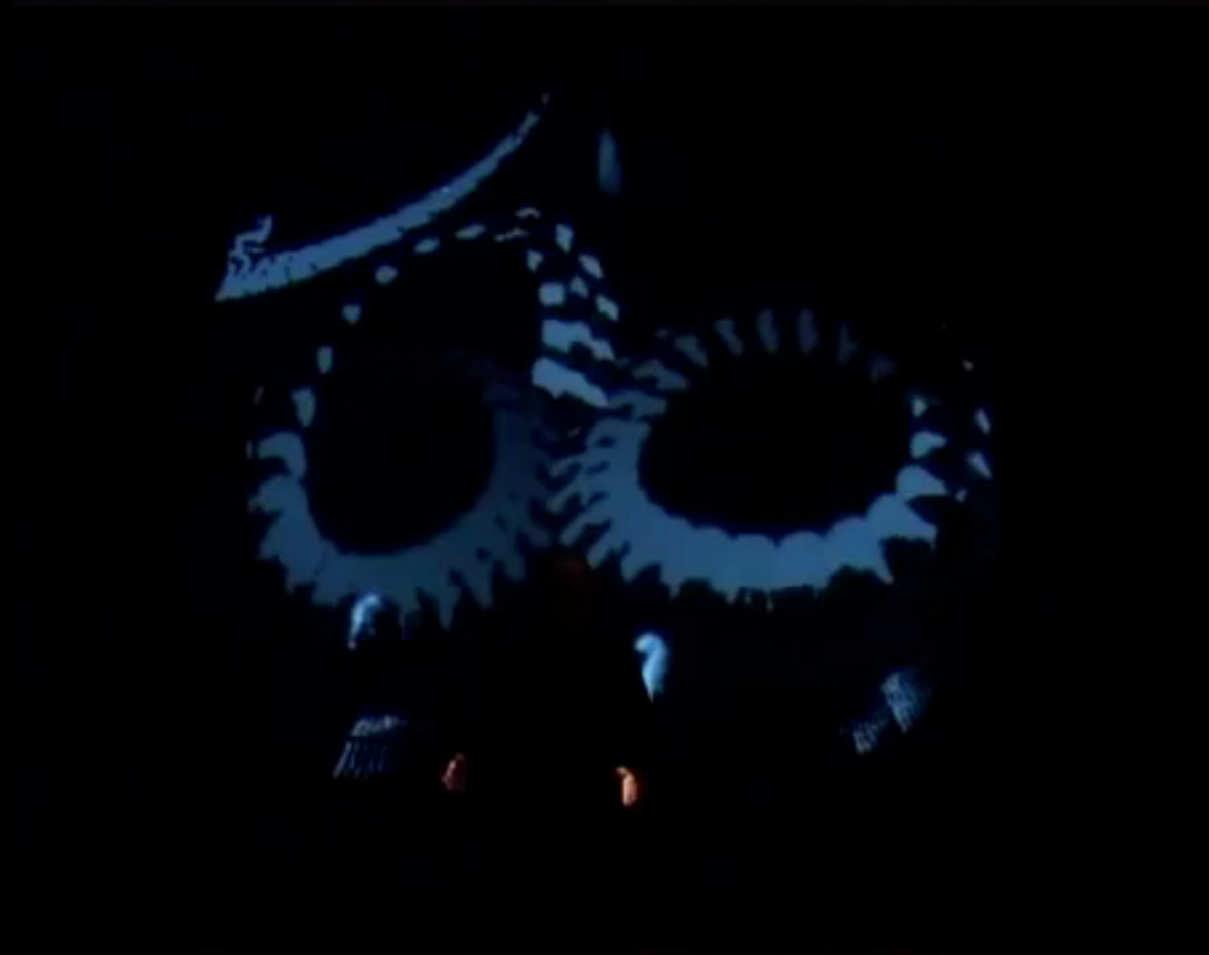
Patchy the autobot

Mike Solomon



Light Music

Thierry De Mey



Light Music

Thierry De Mey

32 Section dessin d'un triangle | Début de l'accumulation de Boucles Alter/Retour (vidéo/son) jusqu'au "CHAOS" (± aléatoire...)

env. Vidéo Boucle 1 + son

12 Sec ENREGISTR. Boucle 1

6 Sec repart en rétrograde puis à l'enchaînement, puis en rétro etc...

33 SÉQ. B.1 ± 20 Sec

AUTO START

Tic Tic

gliss. latéral

passage

Vox & Dr.

Vox Sp

clap

clap

clap

clap

Boucle ± rétro suite

Boucle ± à l'enchaînement

B1 Rétro

AVANT G.

Boucle ± rétro

± 5 sec

34 SÉQ. Pentagone

détection du mouvement

ENREGISTREMENT. Boucle 2. 12 Sec.

repart en rétro. s'additionne à Boucle 1

± 5 Sec

lent. M. Dr

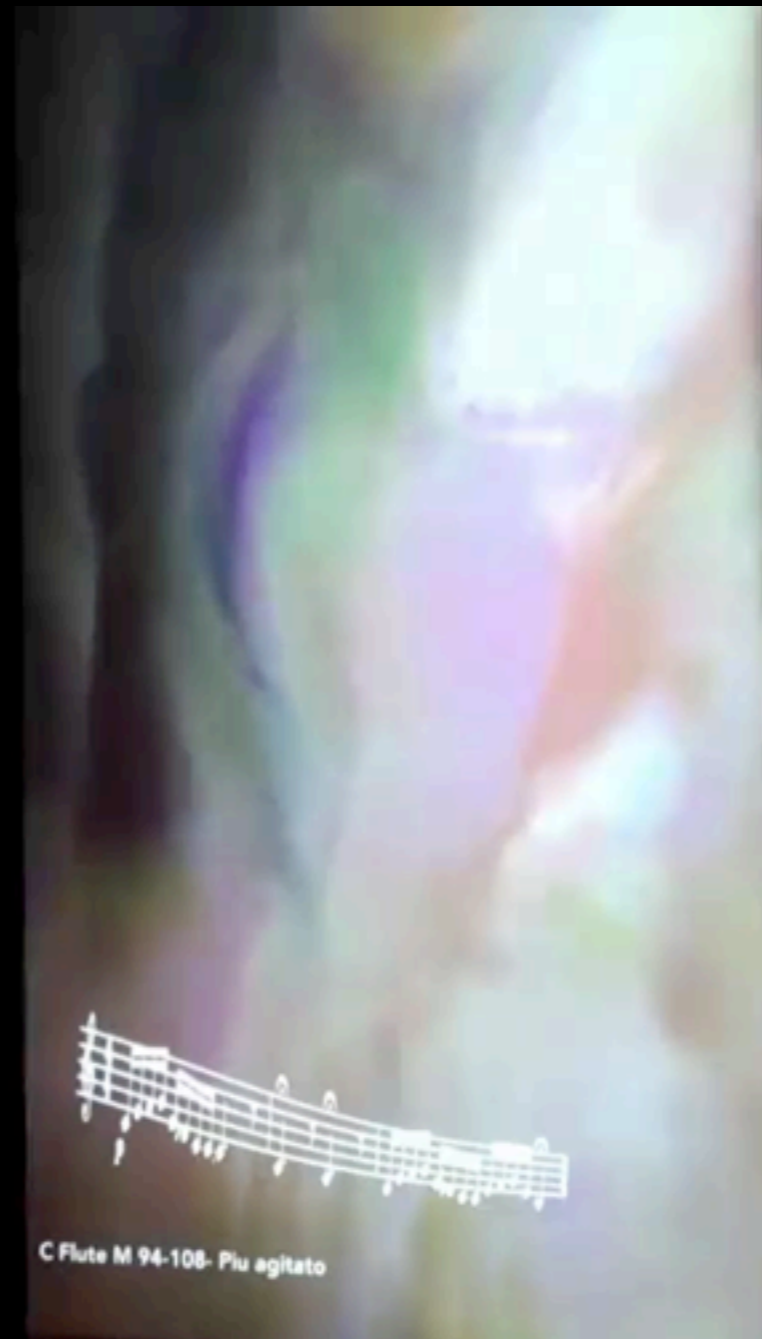
coin Jardin

(aléatoire)

Boucle 1

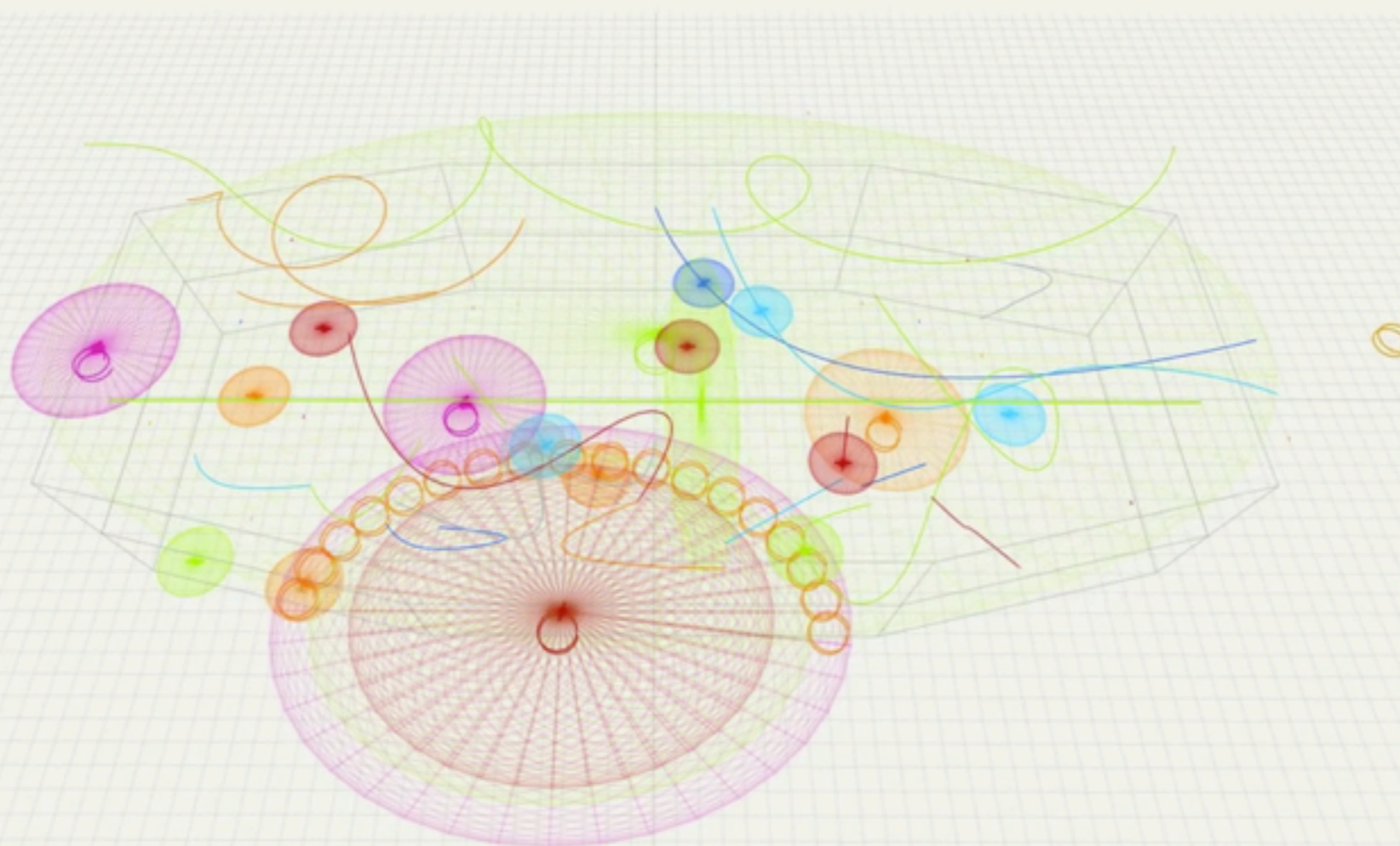
Miroirs Distants

Jean-Baptiste Barrière



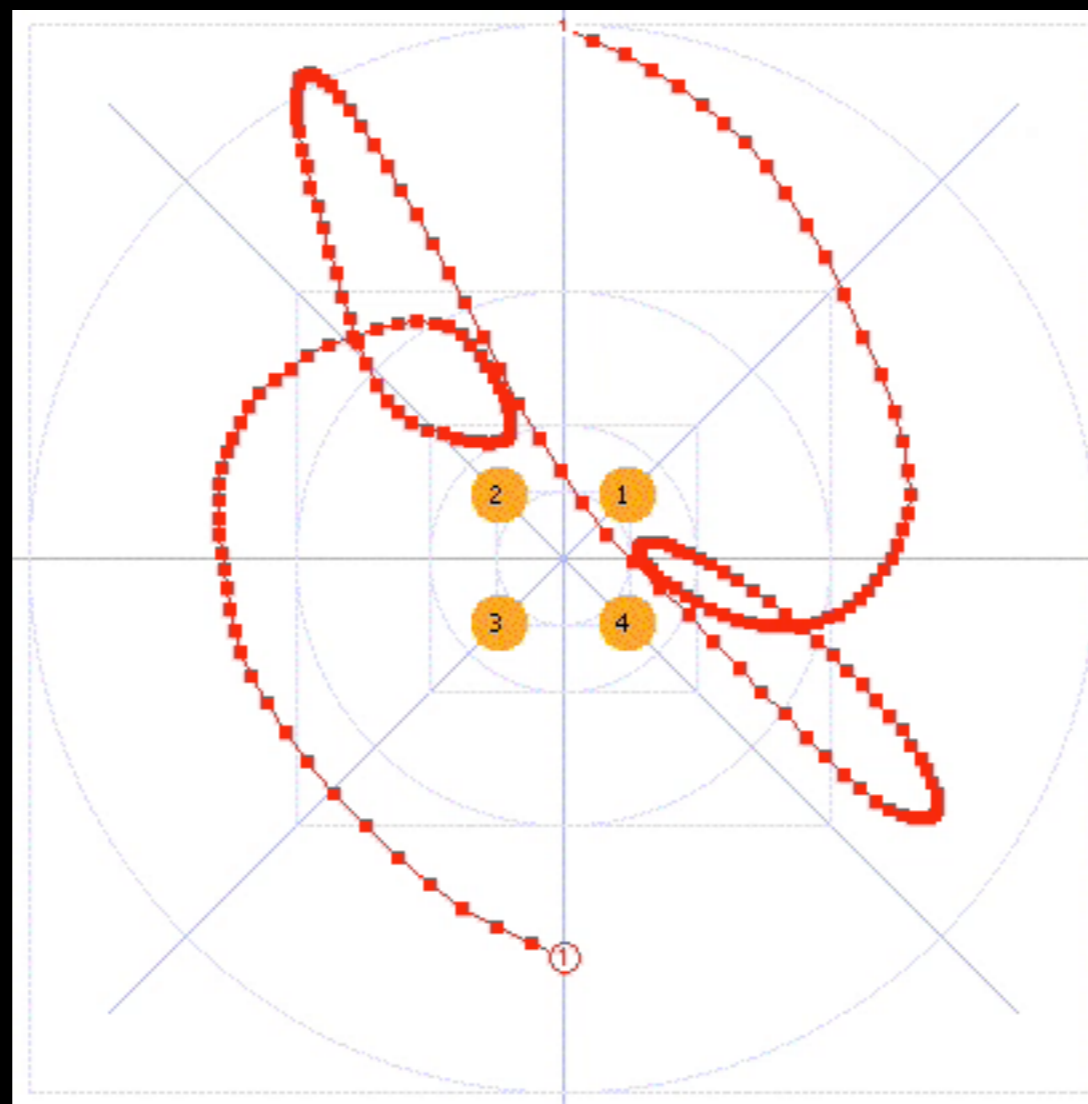
World Exhibition 2012 Korea - Charles de Meaux

Iannix - Thierry Coduys



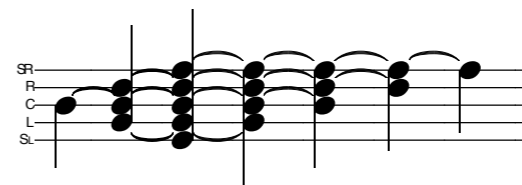
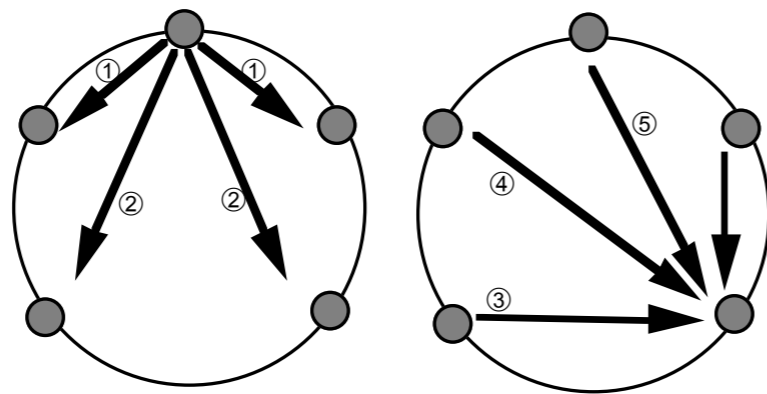
Spatialisation

Holophon - Laurent Pottier



Symbolic notation extensions

Spatialisation - Bertrand Merlier



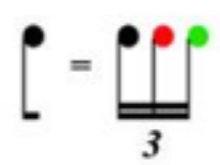
**Figure 6a & b : Crescendo et decrescendo
d'espace / changement de masse
Notation graphique ;
Notation sur portée.**

Symbolic Notation Extensions


Scratch Notation - Alexander Sonnenfeld

$\text{♩} = 89$

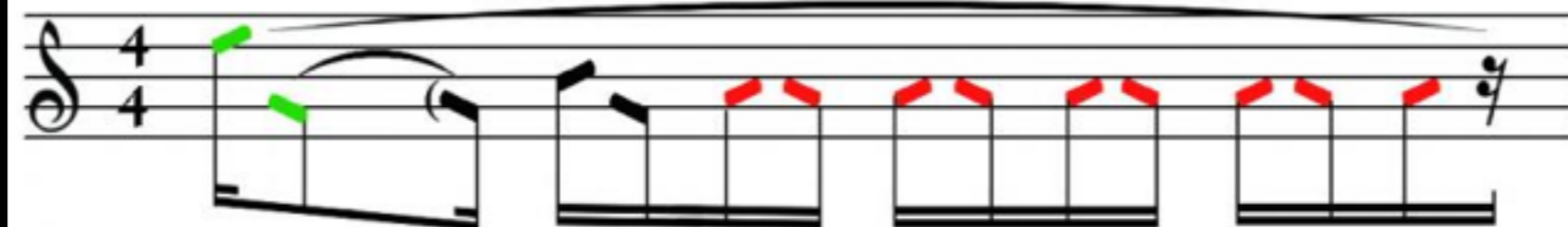
SB S_B



(4) ∅ () ∅ () () ∅ ∅ ∅

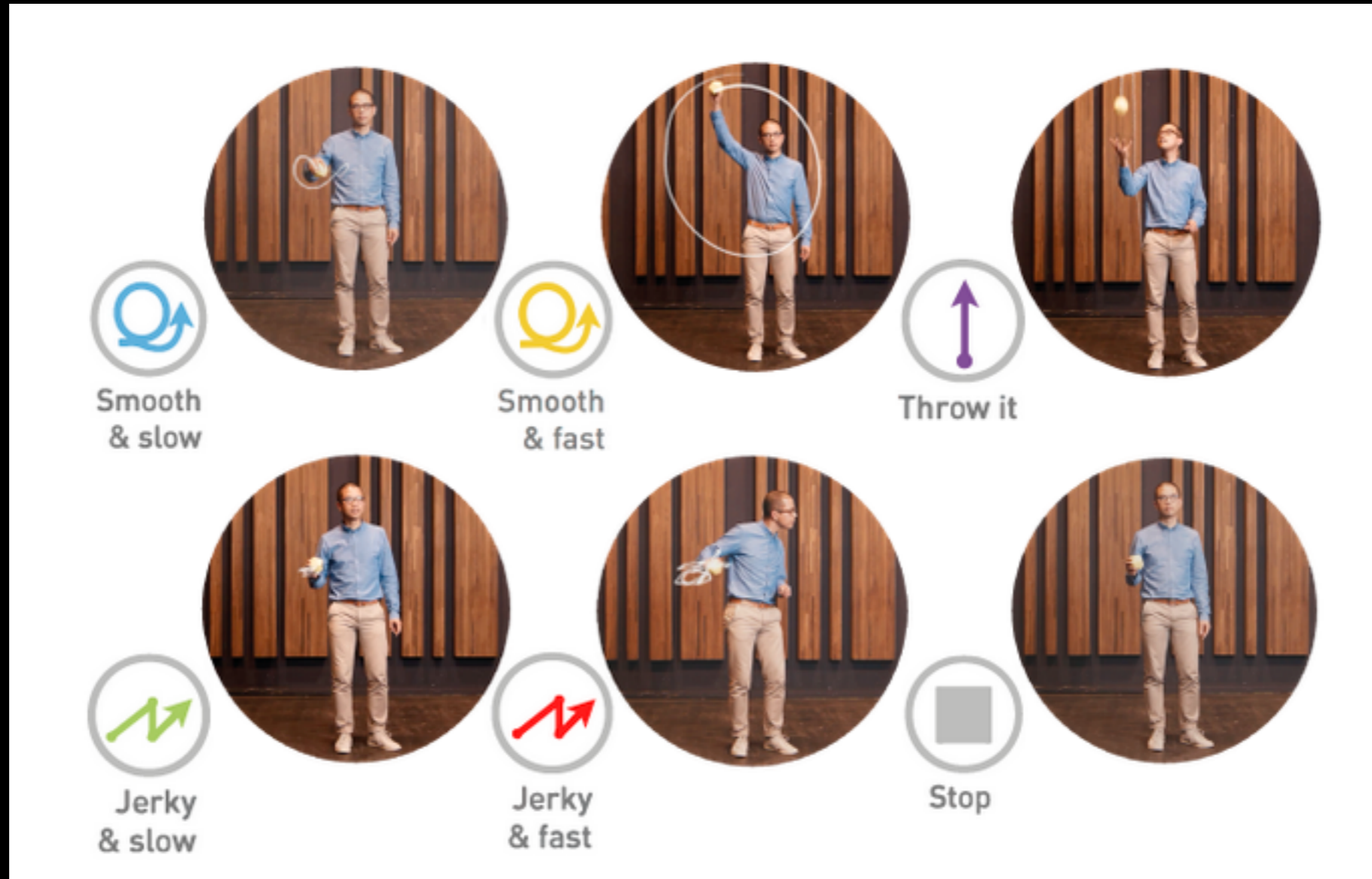


(4) ∅ () ∅ () ∅ () ∅ ()



Gestures description

Phonotonic



New Instruments

Belial - Xavier Garcia

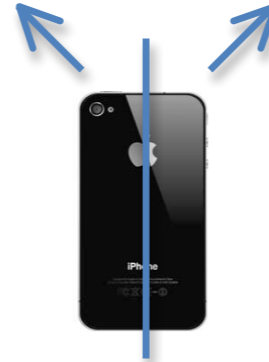
1/ laisser jouer
le tempo a 150



2/ tourner autour
de l'axe X



3/ accents rythmiques
autour de l'axe X



4/ saccades
latérales



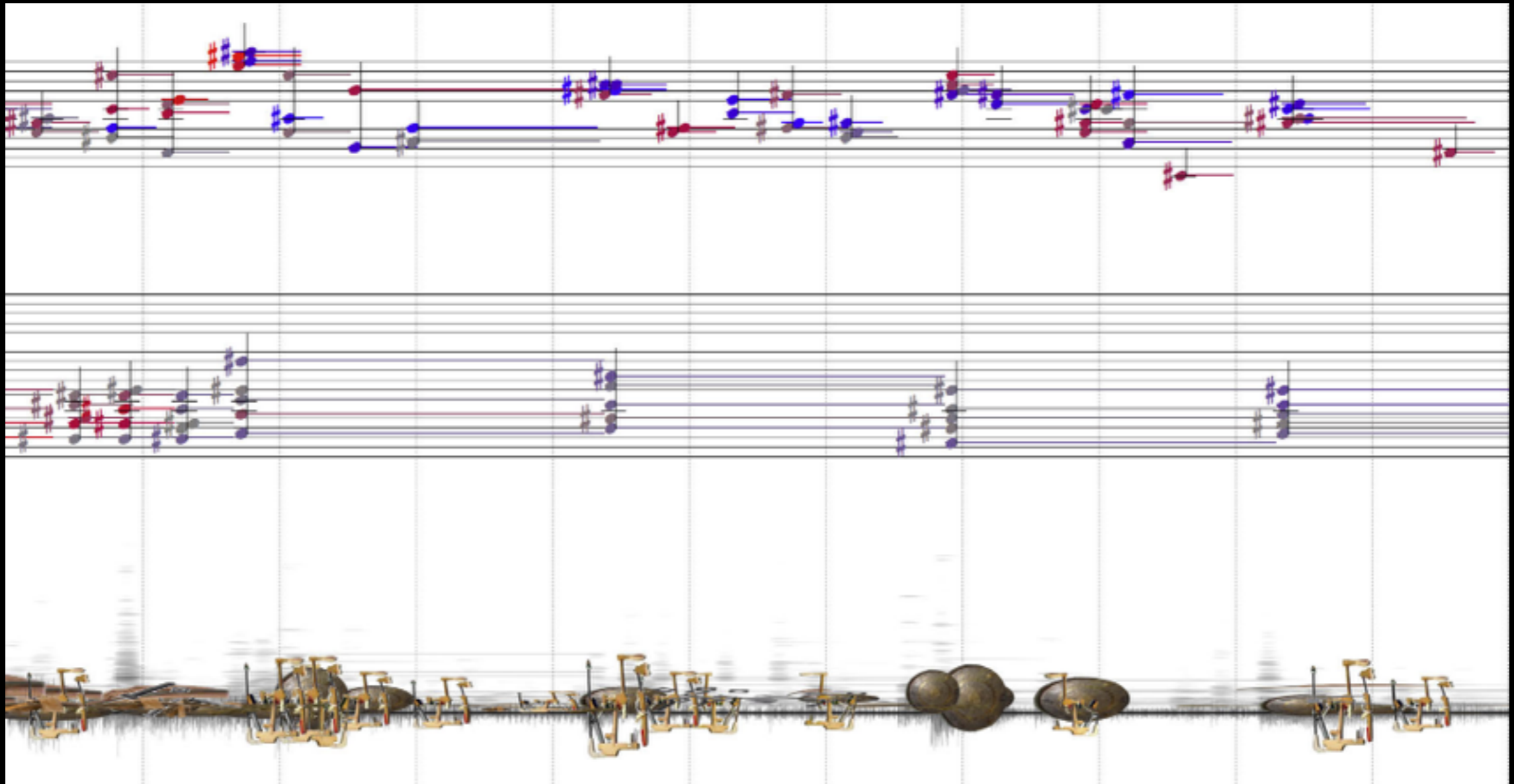
New Instruments

Belial - Xavier Garcia



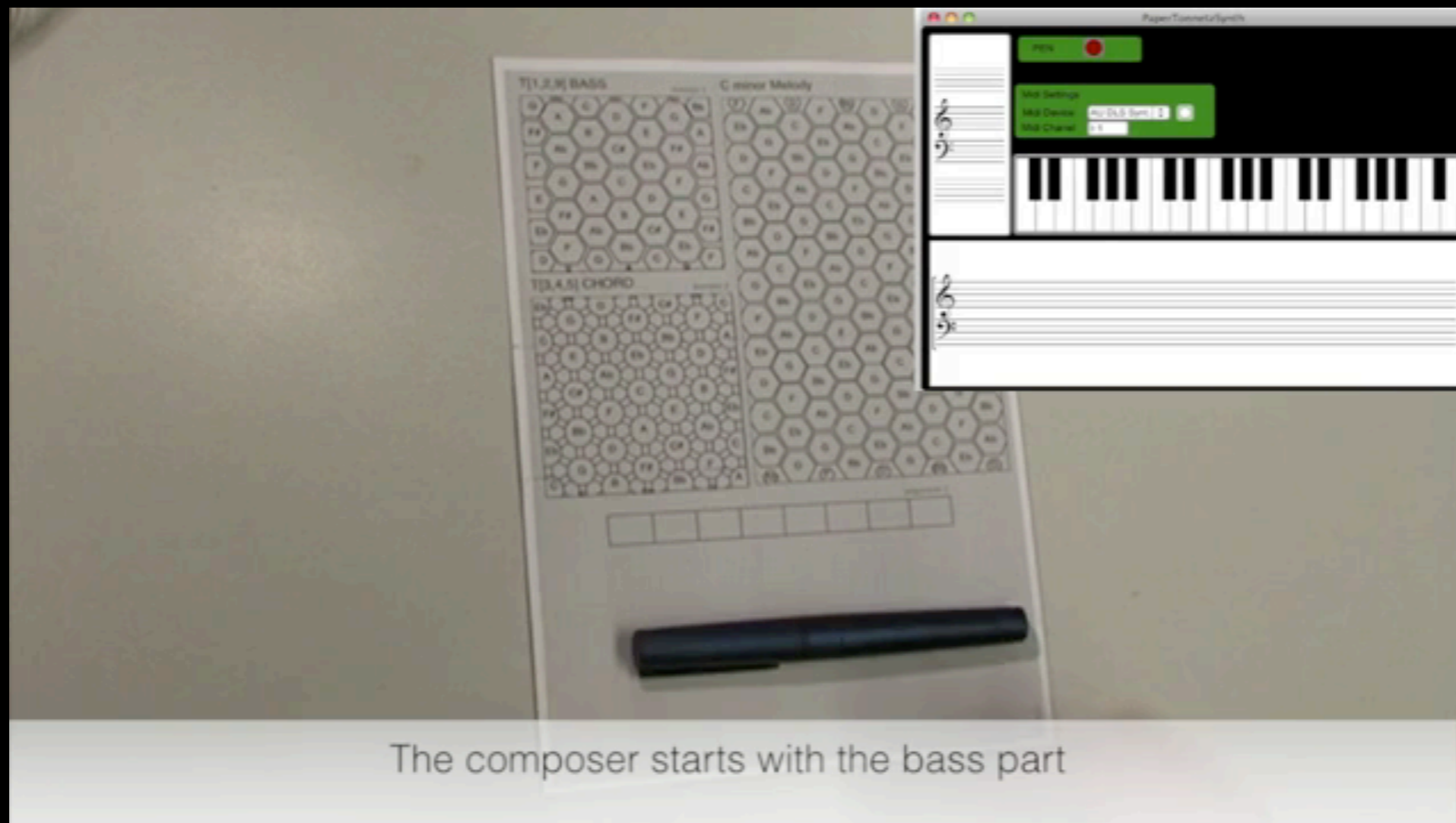
Combining Signal-Based & Symbolic Notations

OM-Pursuit- Marion Schumacher



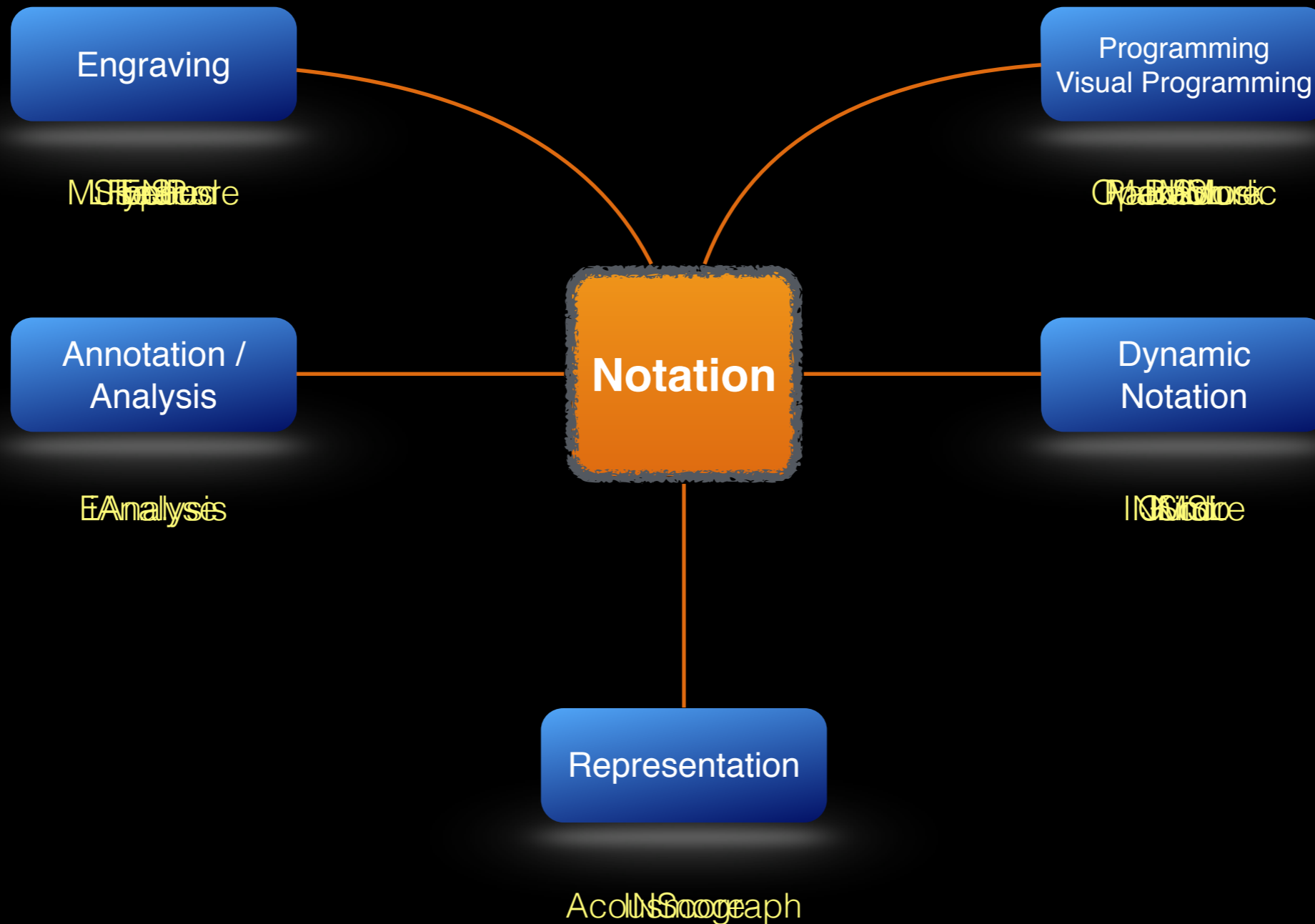
PAPERTONNETZ: INTERACTIVE PAPER-BASED TONNETZ COMPOSITION TOOLS

Louis Bigo, Jérémie Garcia, Antoine Spicher, Wendy E. Mackay

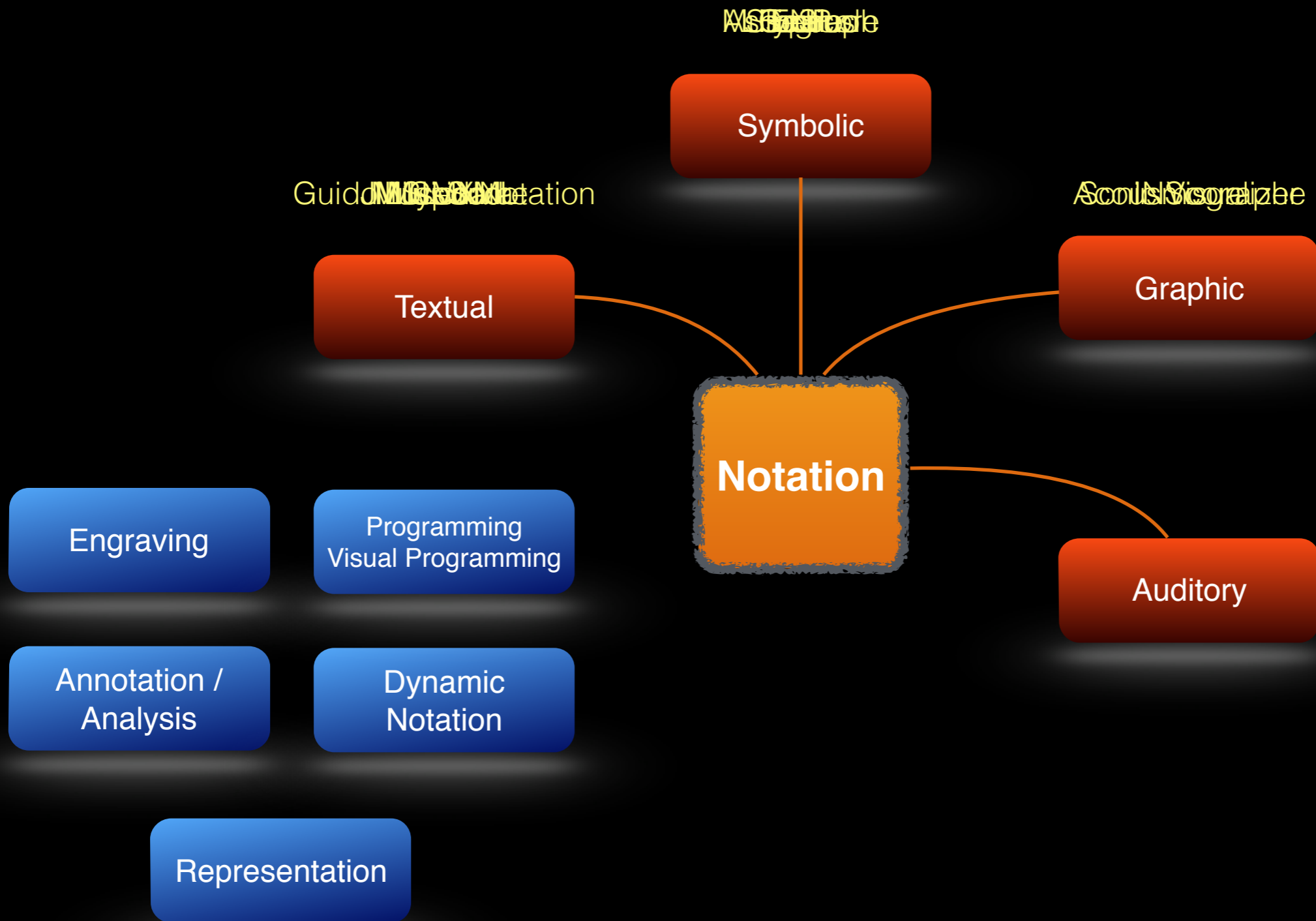


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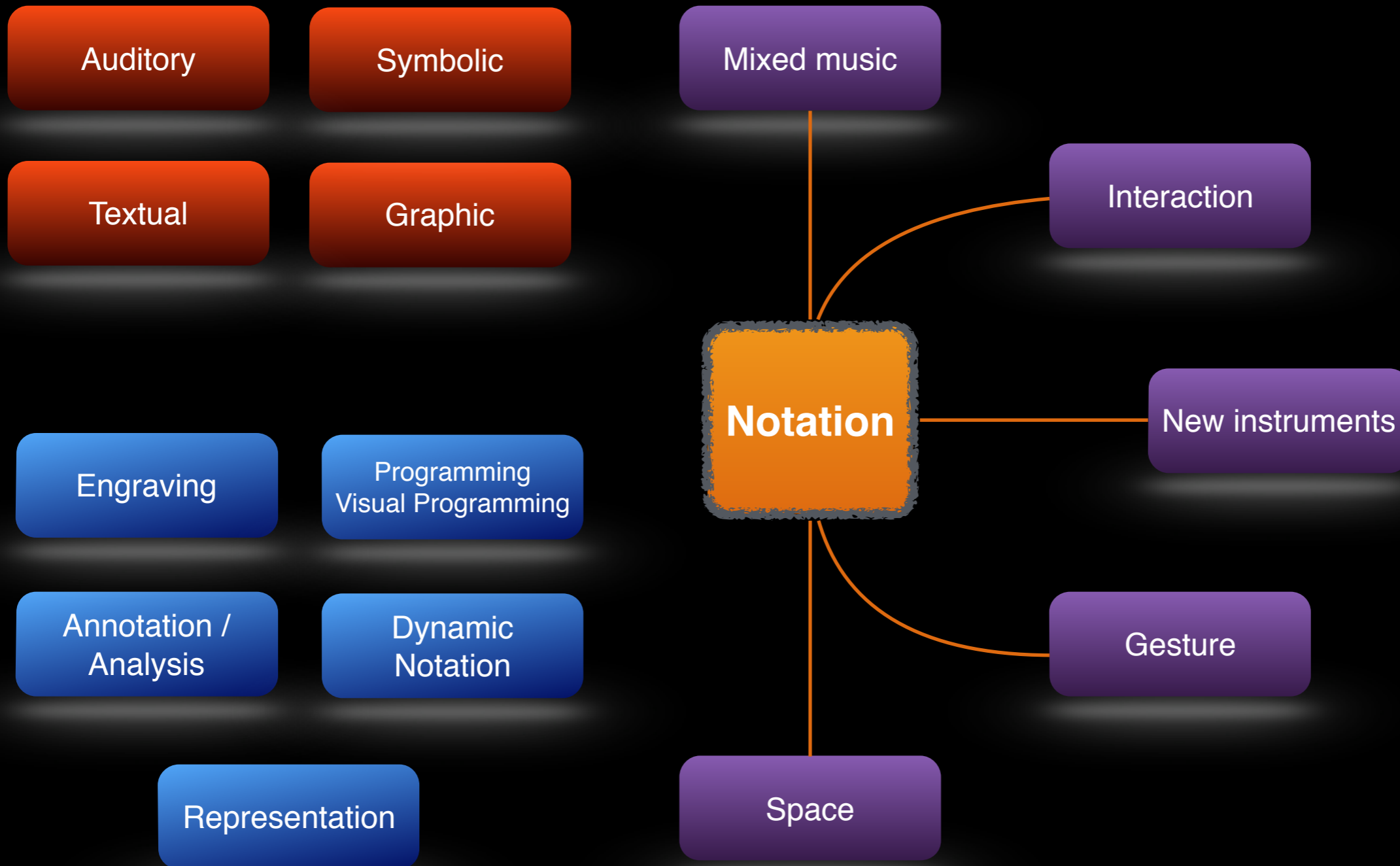
Notations by purpose



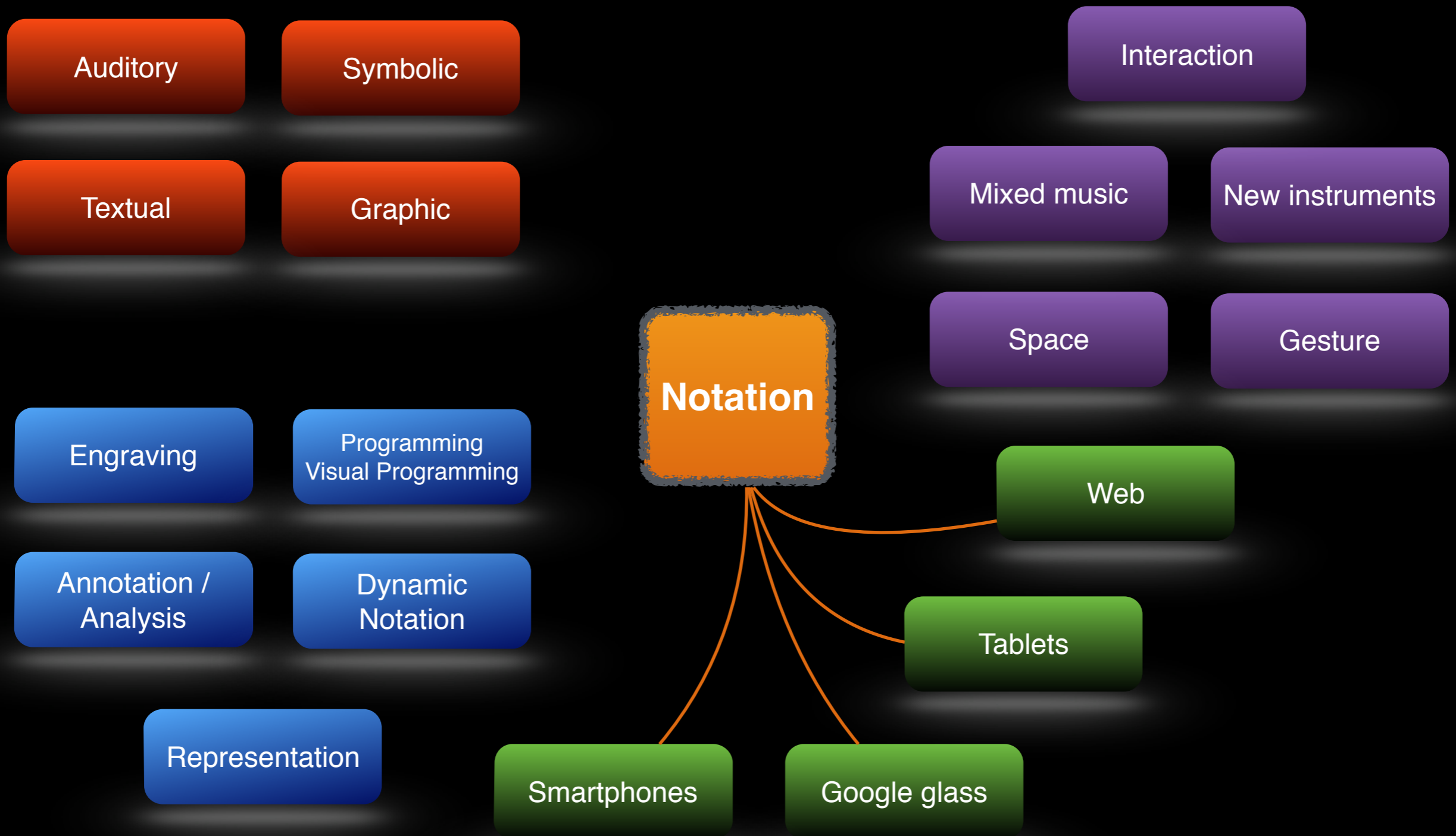
Notations by form



New challenges



New deployment challenges



Form

Auditory

Symbolic

Textual

Graphic

Target

Interaction

Mixed music

New instruments

Space

Gesture

Notation

Engraving

Programming
Visual Programming

Annotation /
Analysis

Dynamic
Notation

Representation

Smartphones

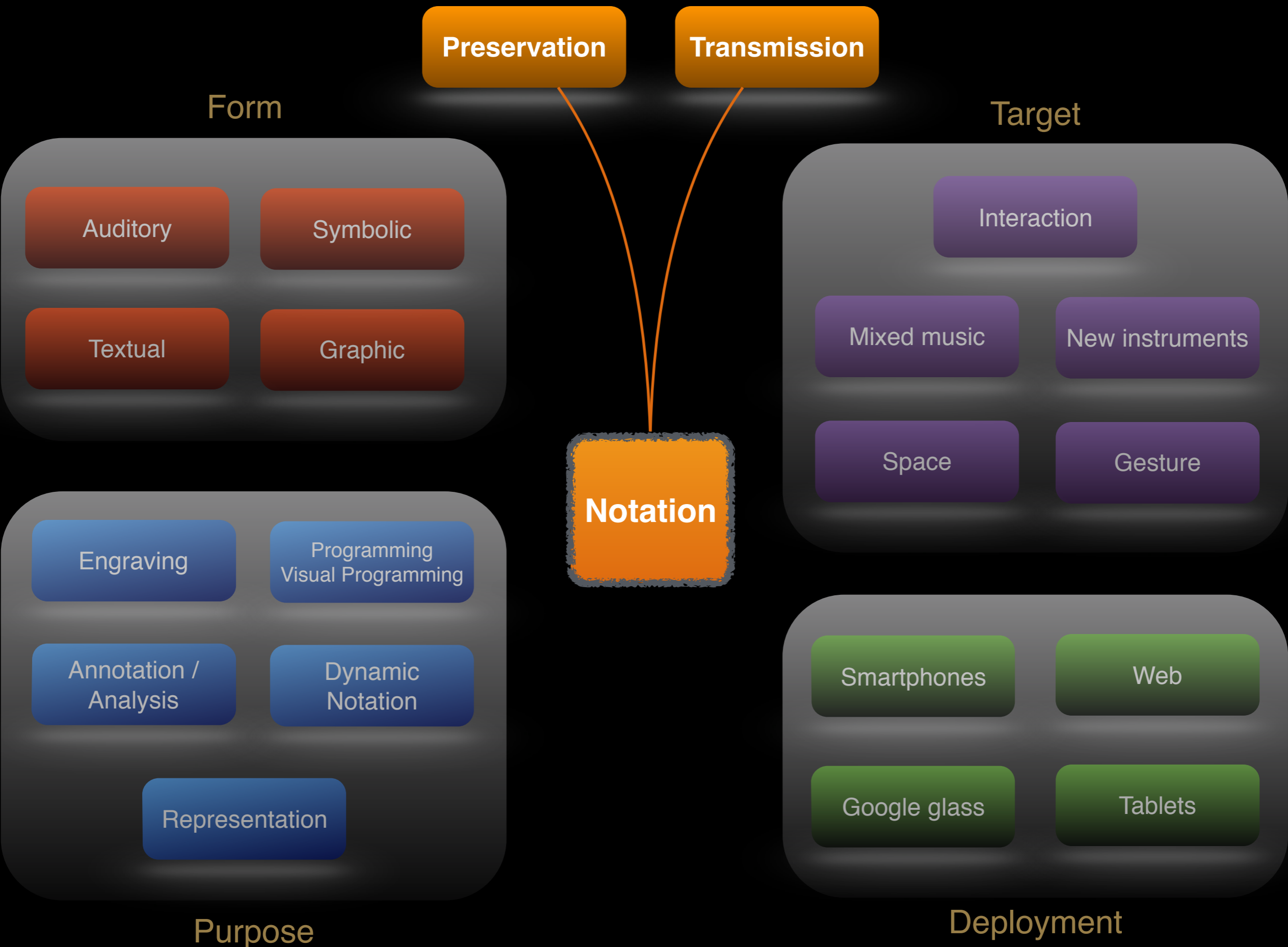
Web

Google glass

Tablets

Purpose

Deployment



The New Spaces of Music Notation

Online resources:

<http://notation.afim-asso.org/>

A mailing list:

<http://listes.ircam.fr/sympa/info/music-notation>

Coming soon:

An International Conference on Music
Notation and Representation

Questions