

Language and Speech, 2008, 51(4), 285–315.

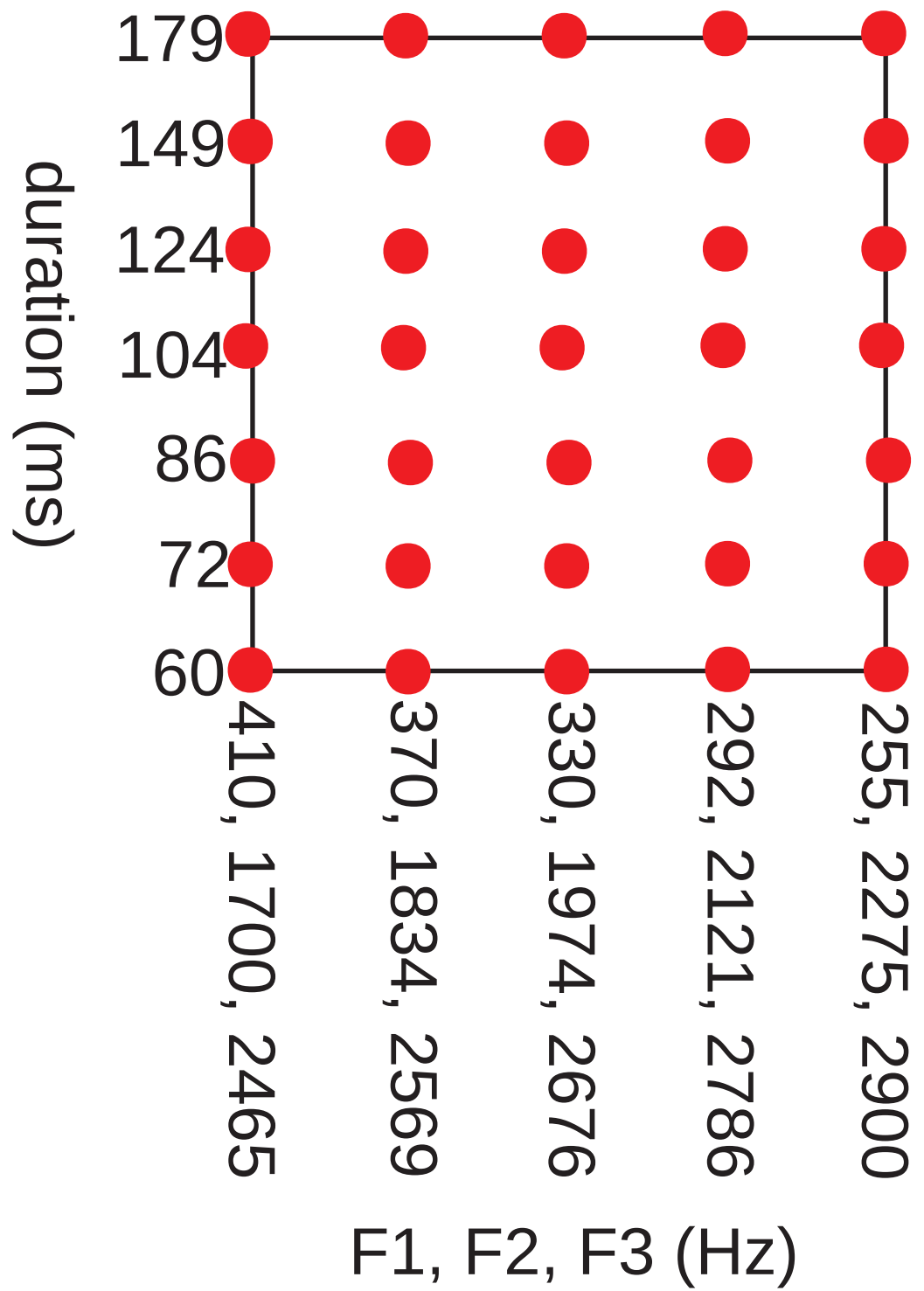
L1-Spanish speakers' acquisition of the English /i/–/ɪ/ contrast:
Duration-based perception is not the initial developmental stage

Geoffrey Stewart Morrison
University of Alberta

Supplementary Material

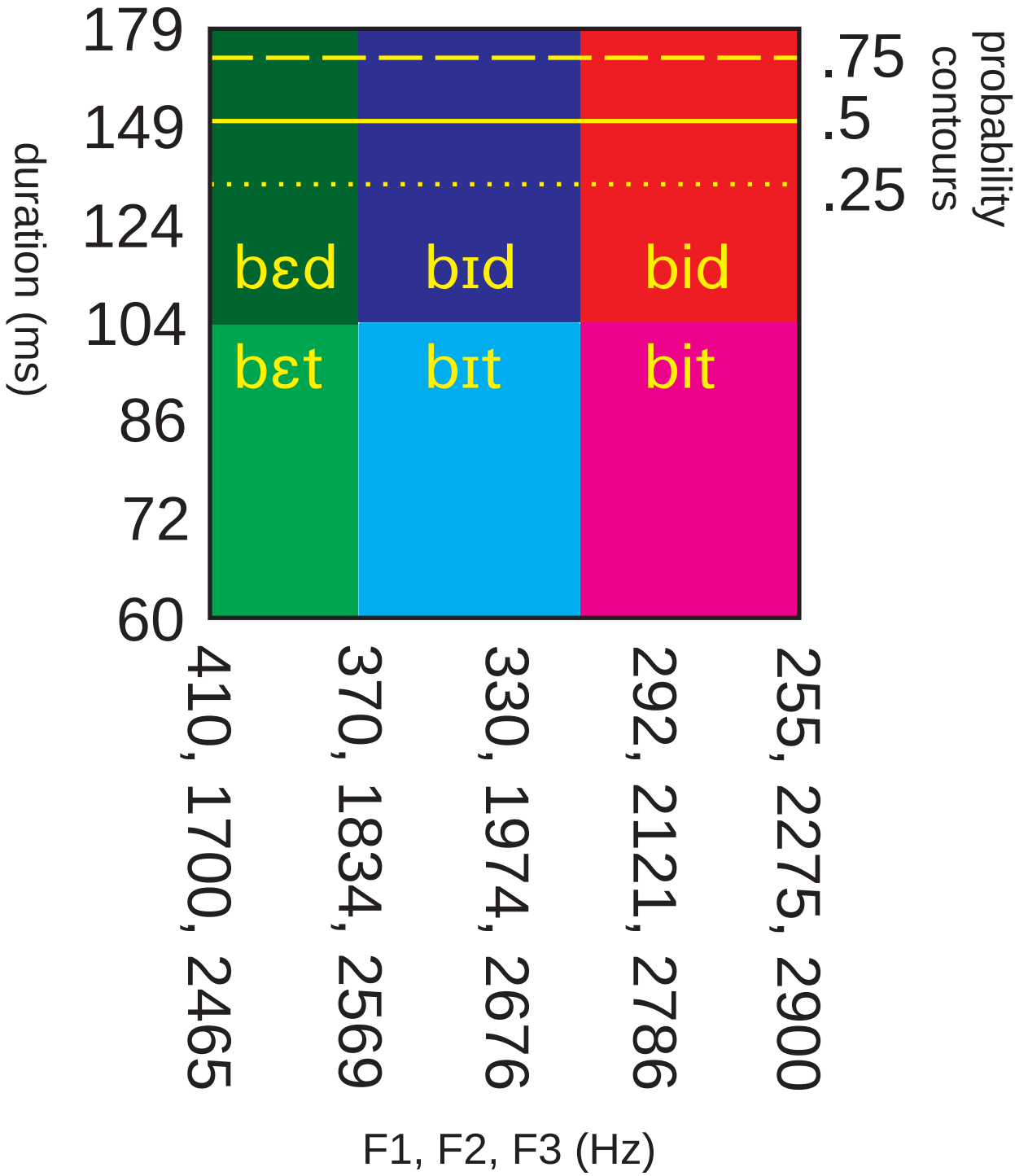
Stimulus Properties

click on a dot to play the associated stimulus



Key to
Probability Surface Plots
and Territorial Maps

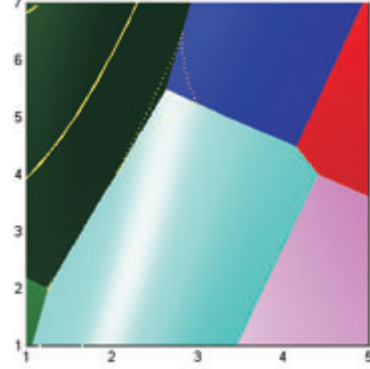
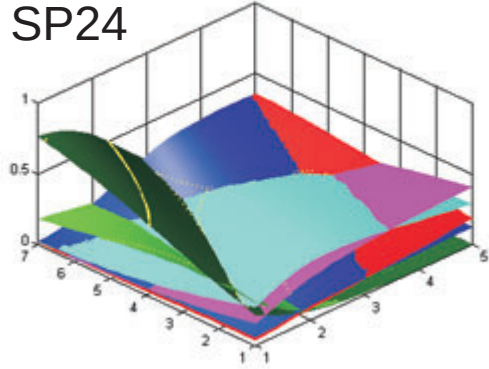
Height of surface:
Predicted probability of
response category.



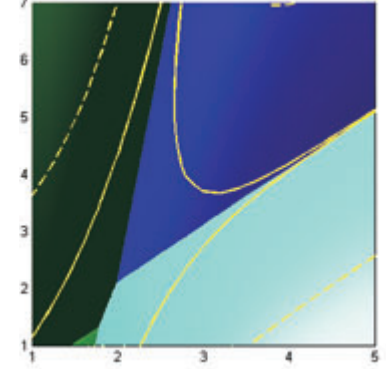
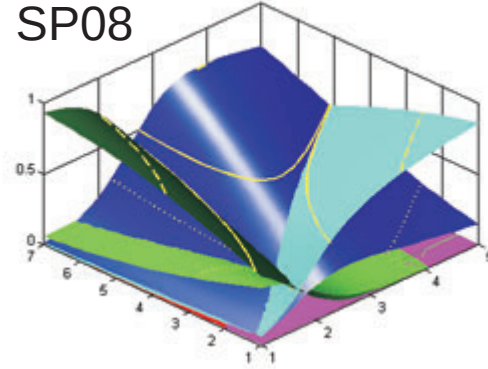
Stage 0

No ability to distinguish /i/ & /ɪ/

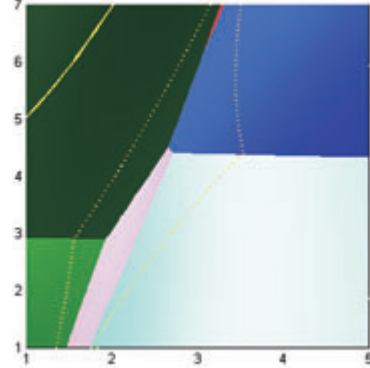
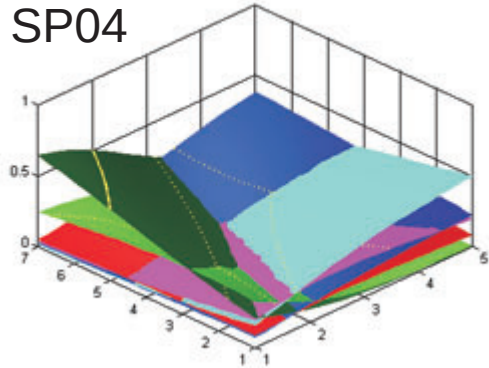
SP24



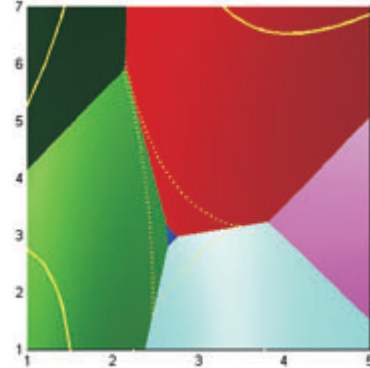
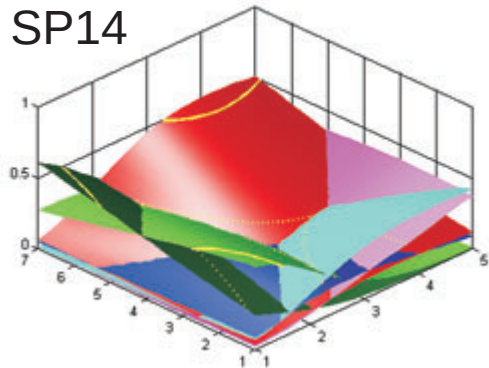
SP08



SP04



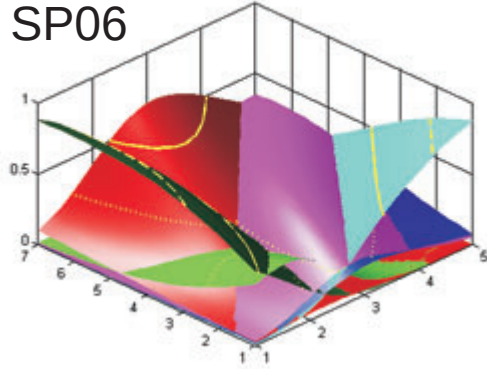
SP14



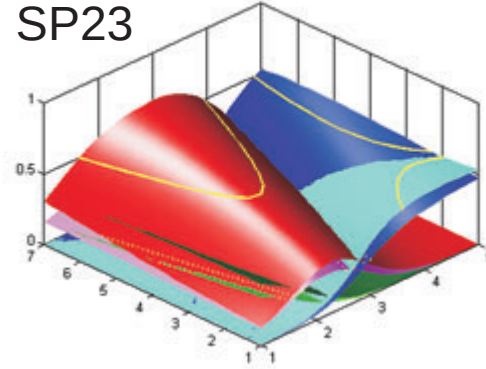
Stage ½

Category goodness assimilation to Spanish /i/

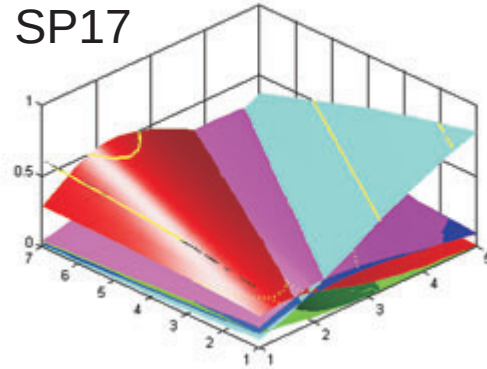
SP06



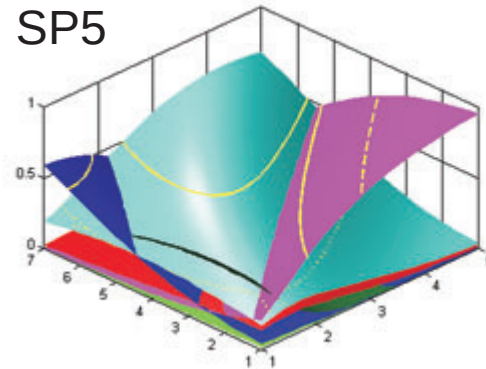
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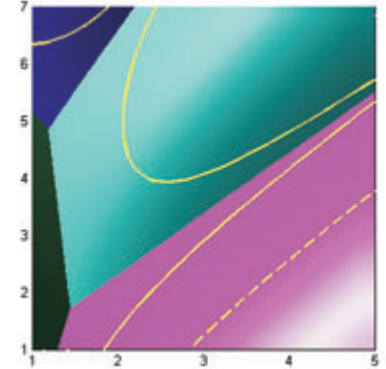
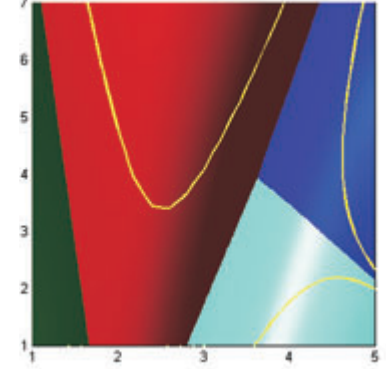
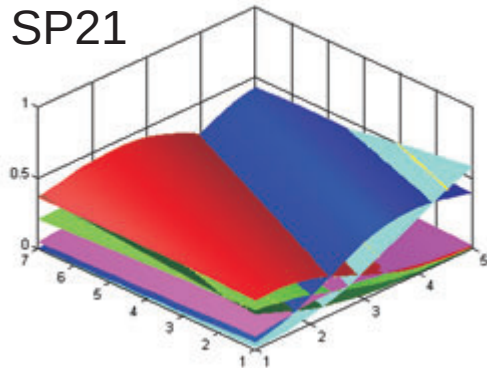
SP17



SP5



SP21

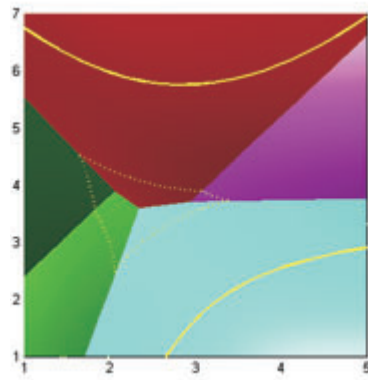
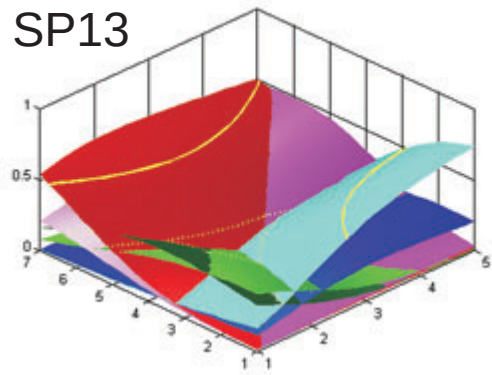


(Participant SP05 has a labelling reversal)

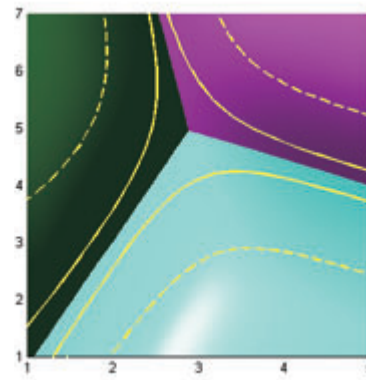
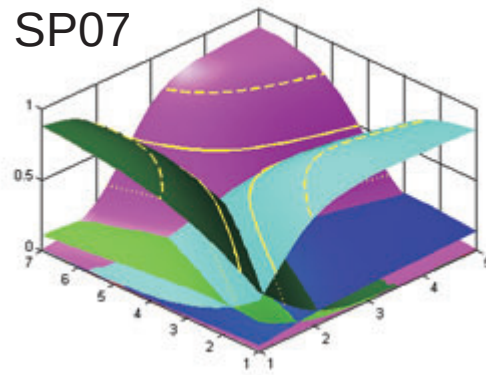
Stage 1

/i/ is longer, /ɪ/ is shorter

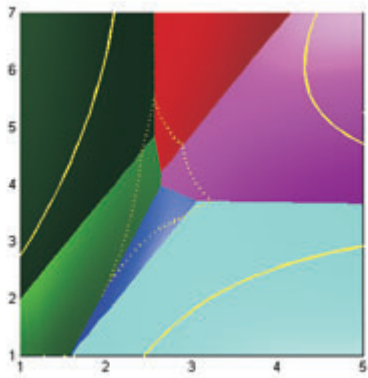
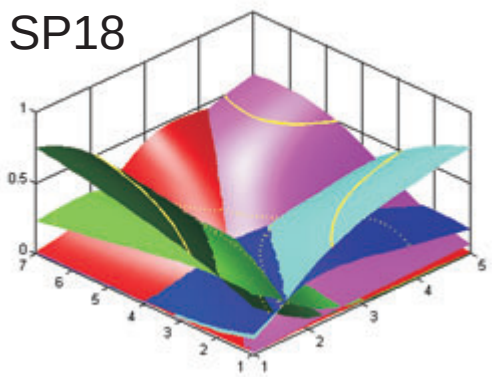
SP13



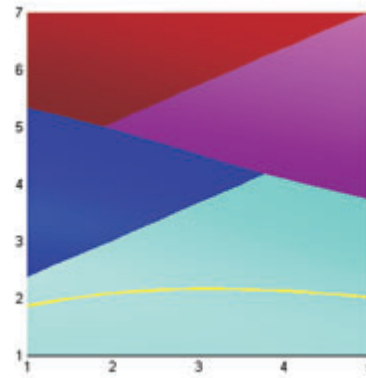
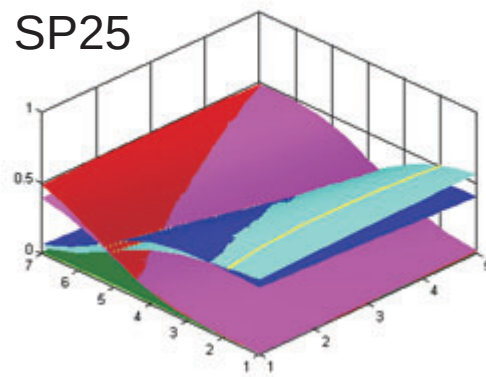
SP07



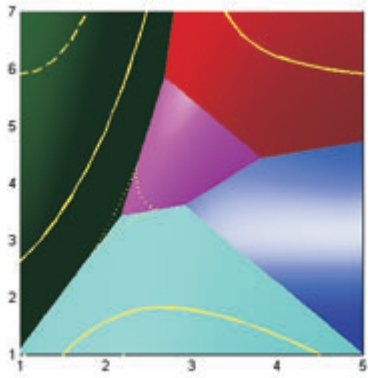
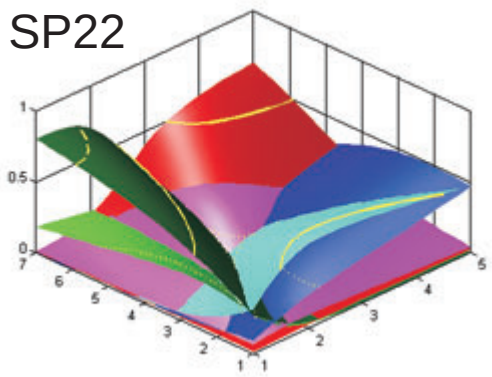
SP18



SP25



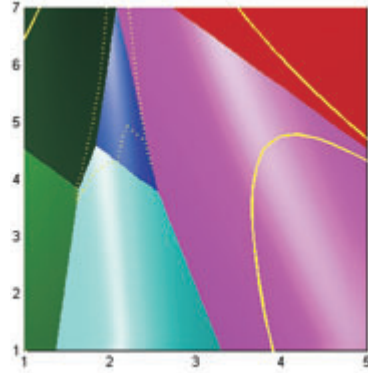
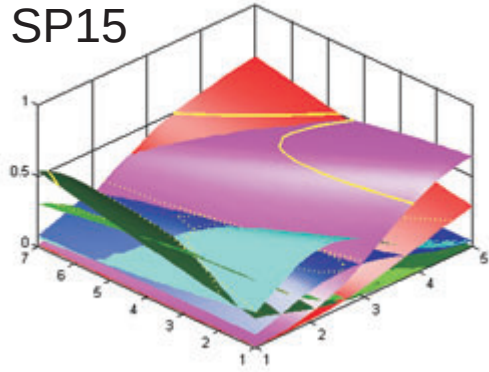
SP22



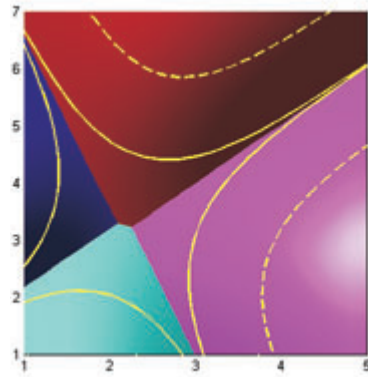
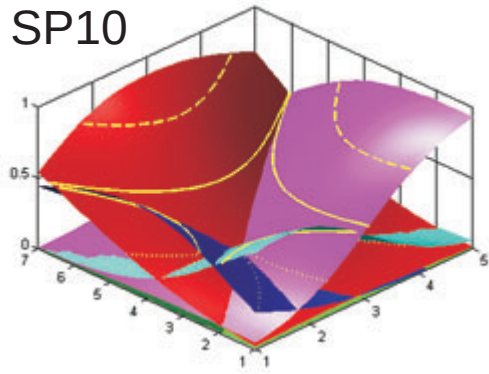
Stage 2

/i/ is longer and has lower F1, /ɪ/ is shorter and has higher F1

SP15



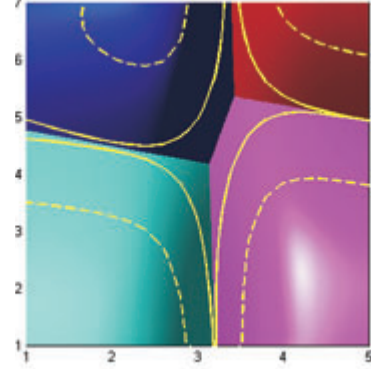
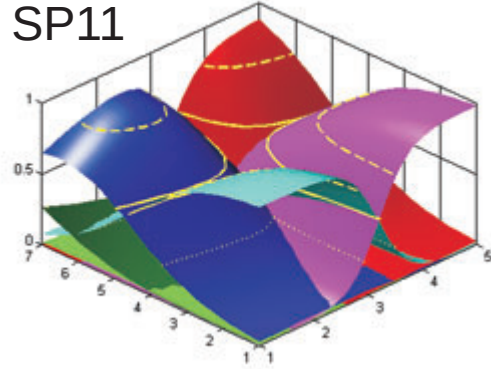
SP10



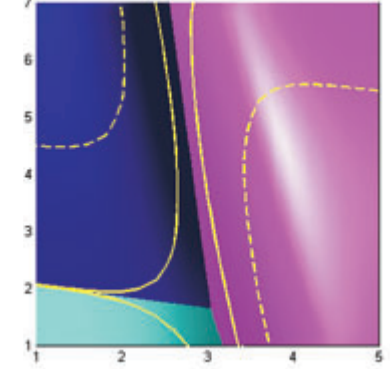
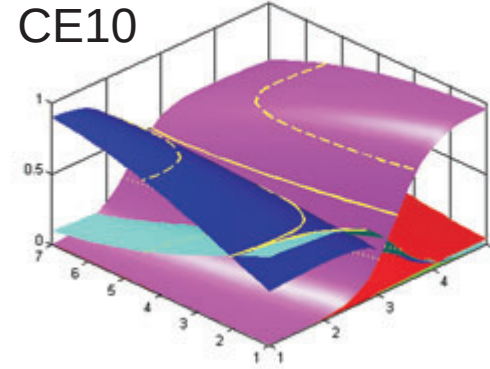
Stage 3

L1-English and L1-English like: /i/ has lower F1, /ɪ/ has higher F1

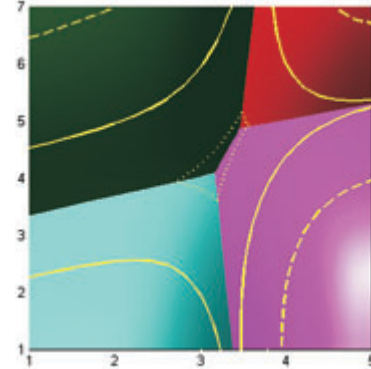
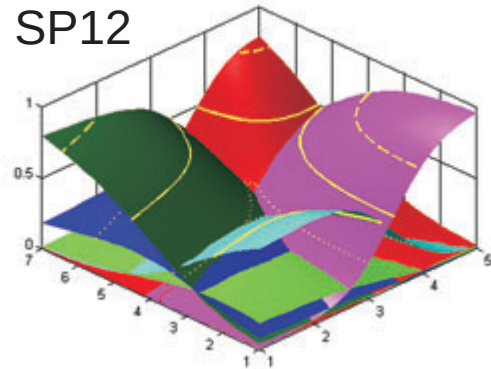
SP11



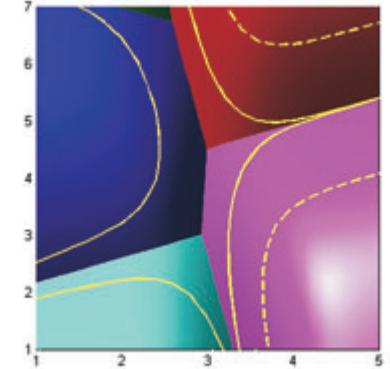
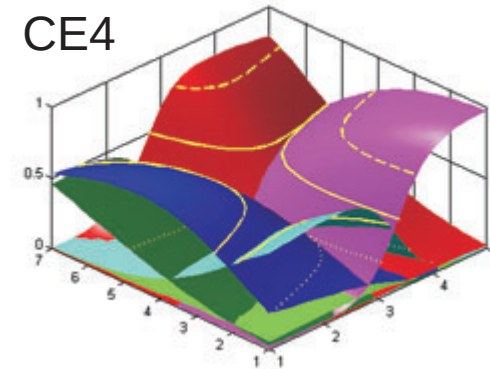
CE10



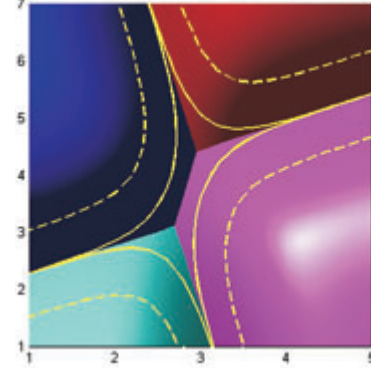
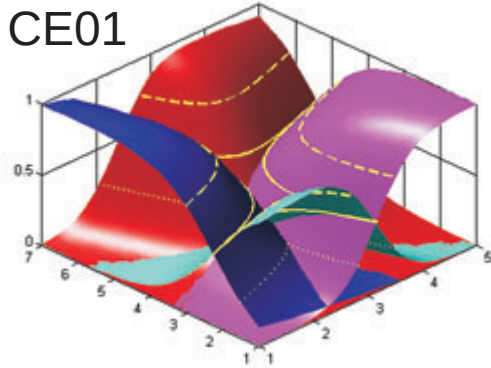
SP12



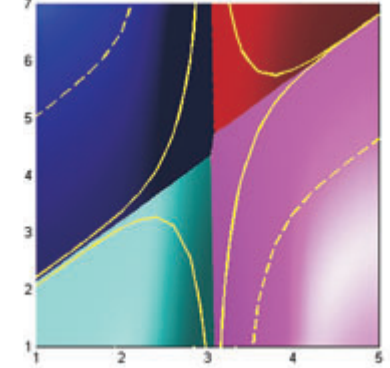
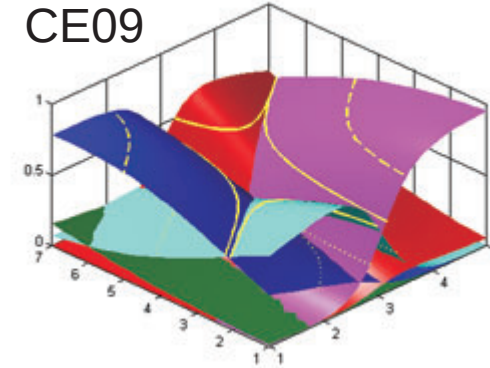
CE4



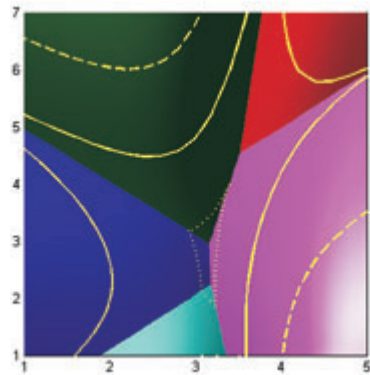
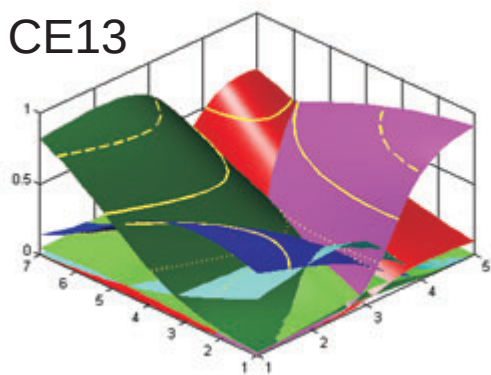
CE01



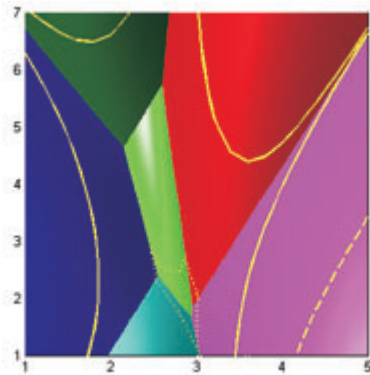
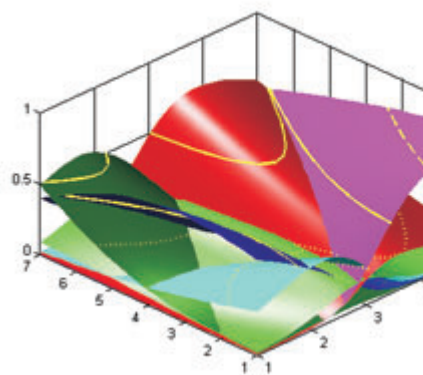
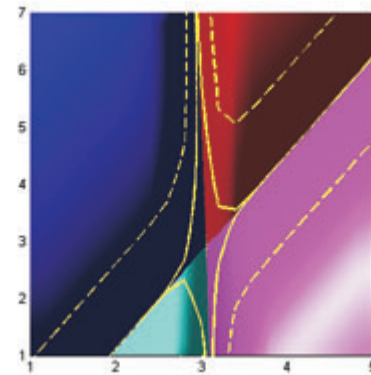
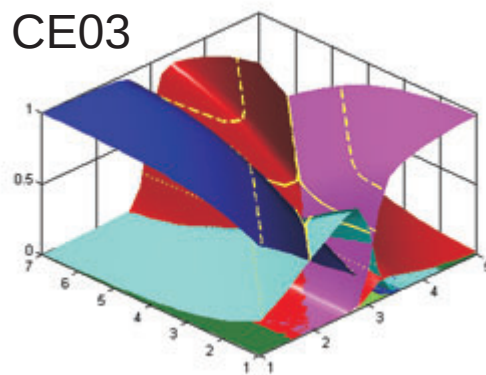
CE09



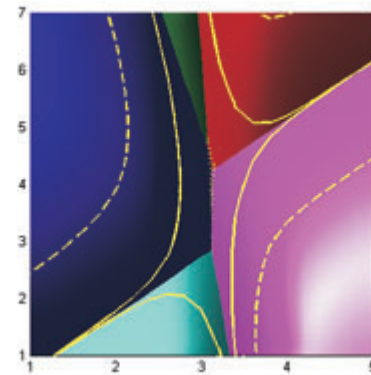
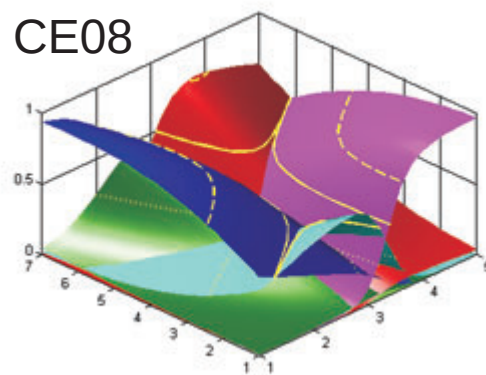
CE13



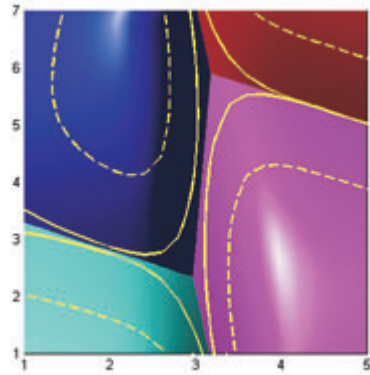
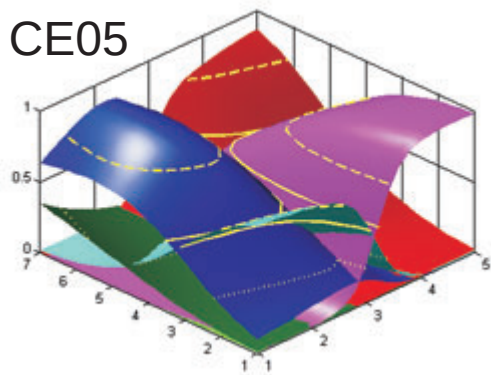
CE03



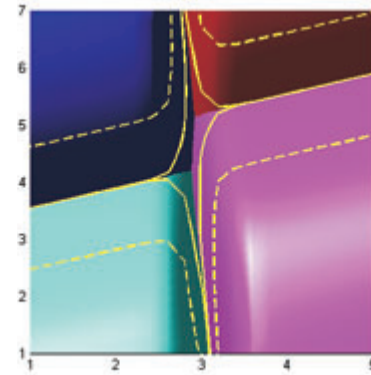
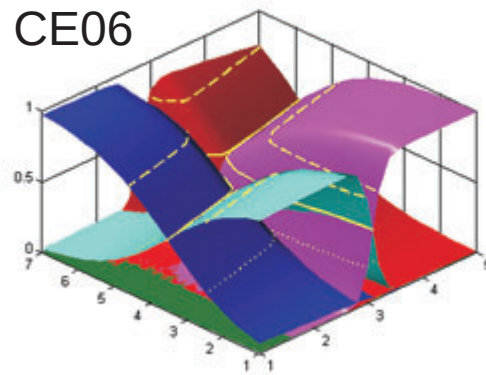
CE08



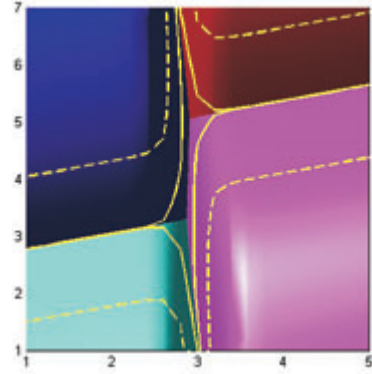
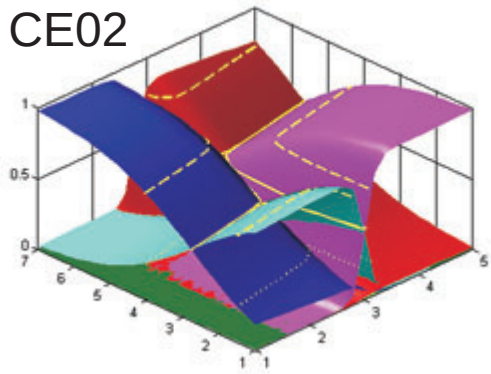
CE05



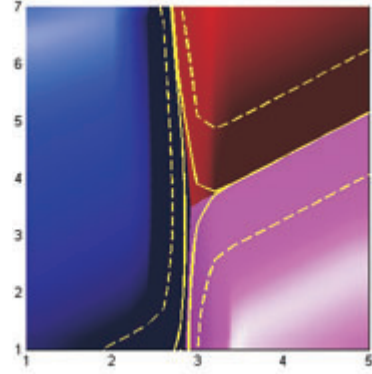
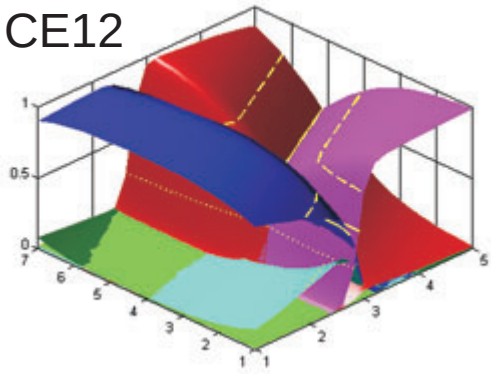
CE06



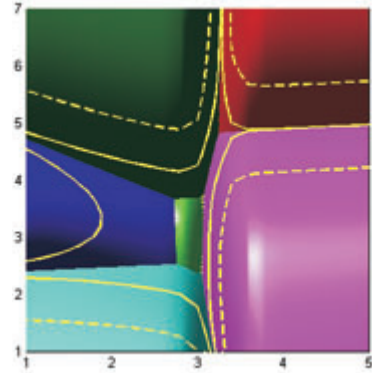
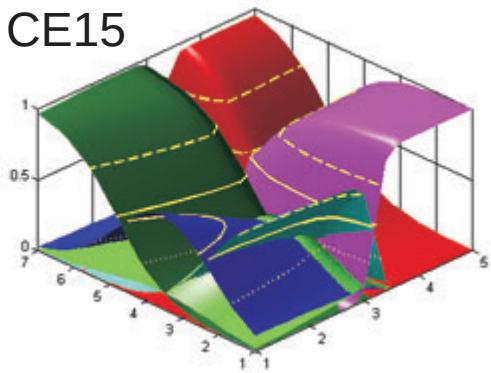
CE02



CE12



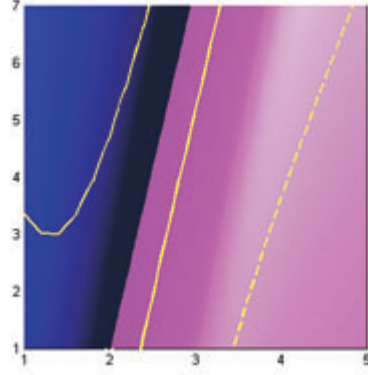
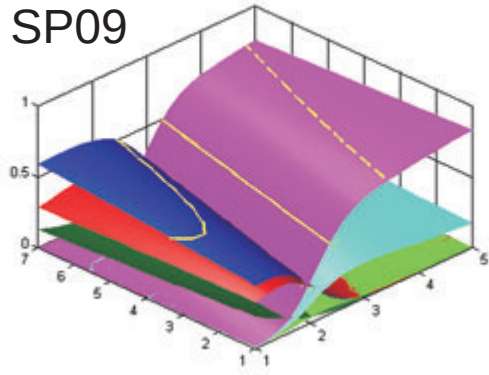
CE15



Other

/t/ has higher F2, /d/ has lower F2

SP09



SP16

