Three dimensions of Prosody:

Constituent structure – Phrasing
[ABC] vs. [A|BC]
Focus – Prominence
ABC vs. AB
Speech Act – Tune
ABC vs. A|BC

(How) Do the three dimensions interact?

Current AM Models: Yes
Overlay Models: No

传导

Production Experiment

Effect of Constituency

Effect of Tune

Effect of Focus

Residualization

No consistent phrasing pattern across different tunes and foci:

Scaling Effect

What does this look like? Scaling example with initial focus (focus on first conjunct; question; left vs. right branching):

Did people actually say these according to the manipulation?

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Three Dimensions of Sentence Prosody and their (Non-)Interactions

Michael Wagner & Michael McAuliffe. McGill University

PaPE
June 12-14 2017

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