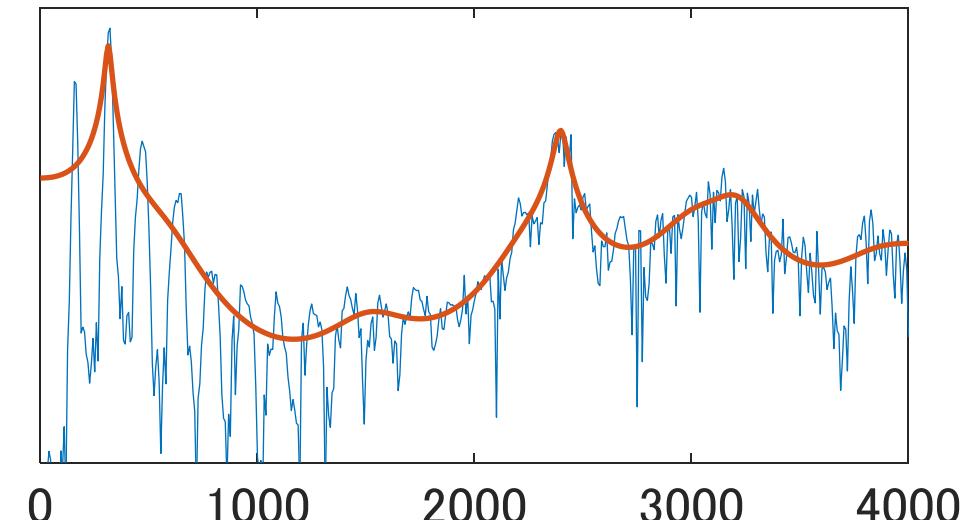
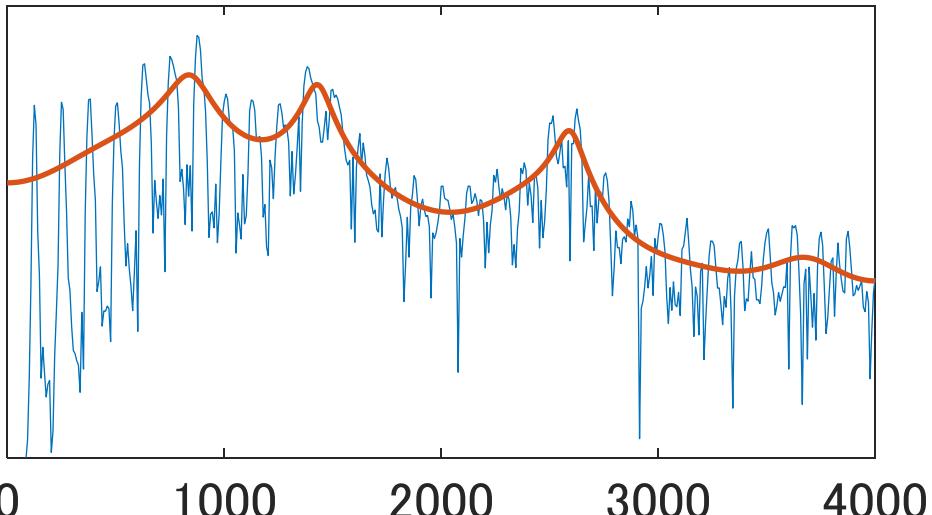
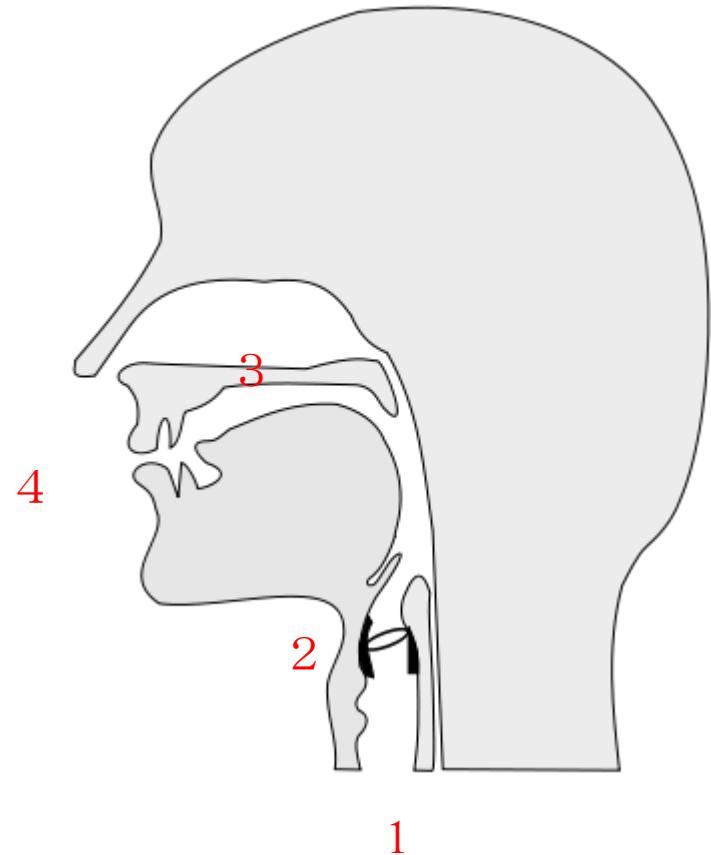


音韻

- 音声の最小単位
- 母音 /a/ /i/ /u/ /e/ /o/
- 子音 /k/ /s/ /t/ /n/ ...
- 音韻の違い 音色の違い



発声のしくみ



1. 肺から空気を送り出す
2. 声帯を振動させる
3. 声道で共鳴させる
4. 唇から出す

母音の舌の位置



[i]



[ɛ]



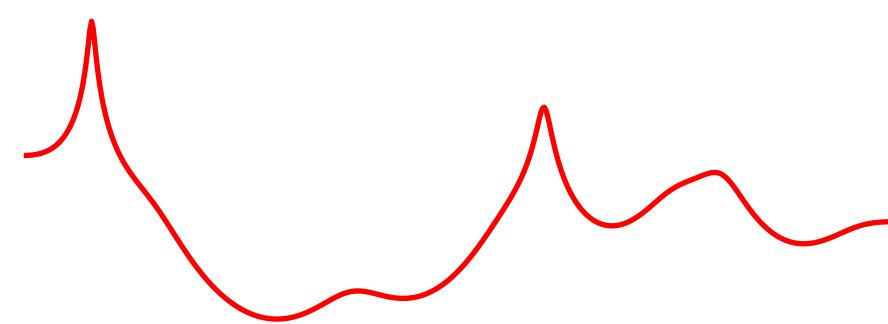
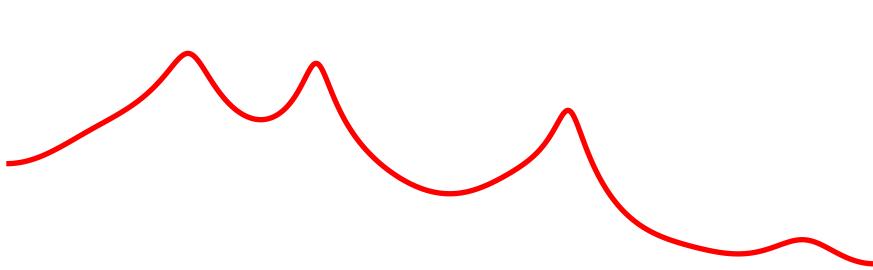
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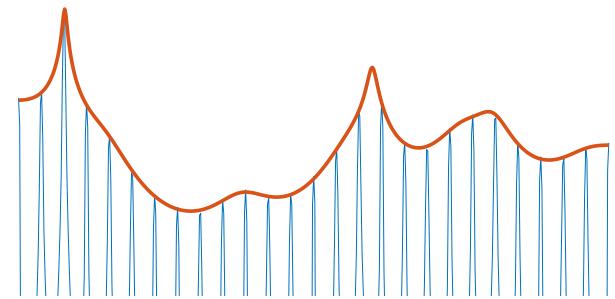
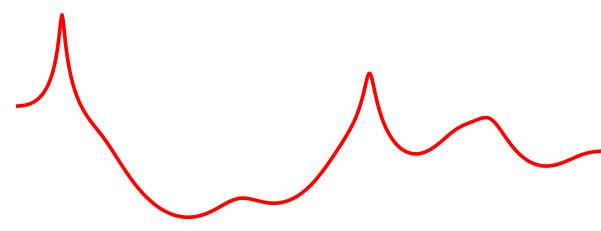
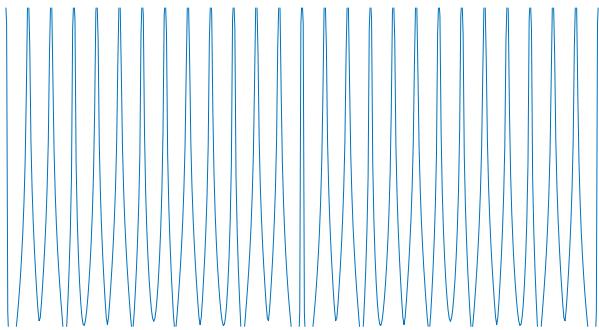
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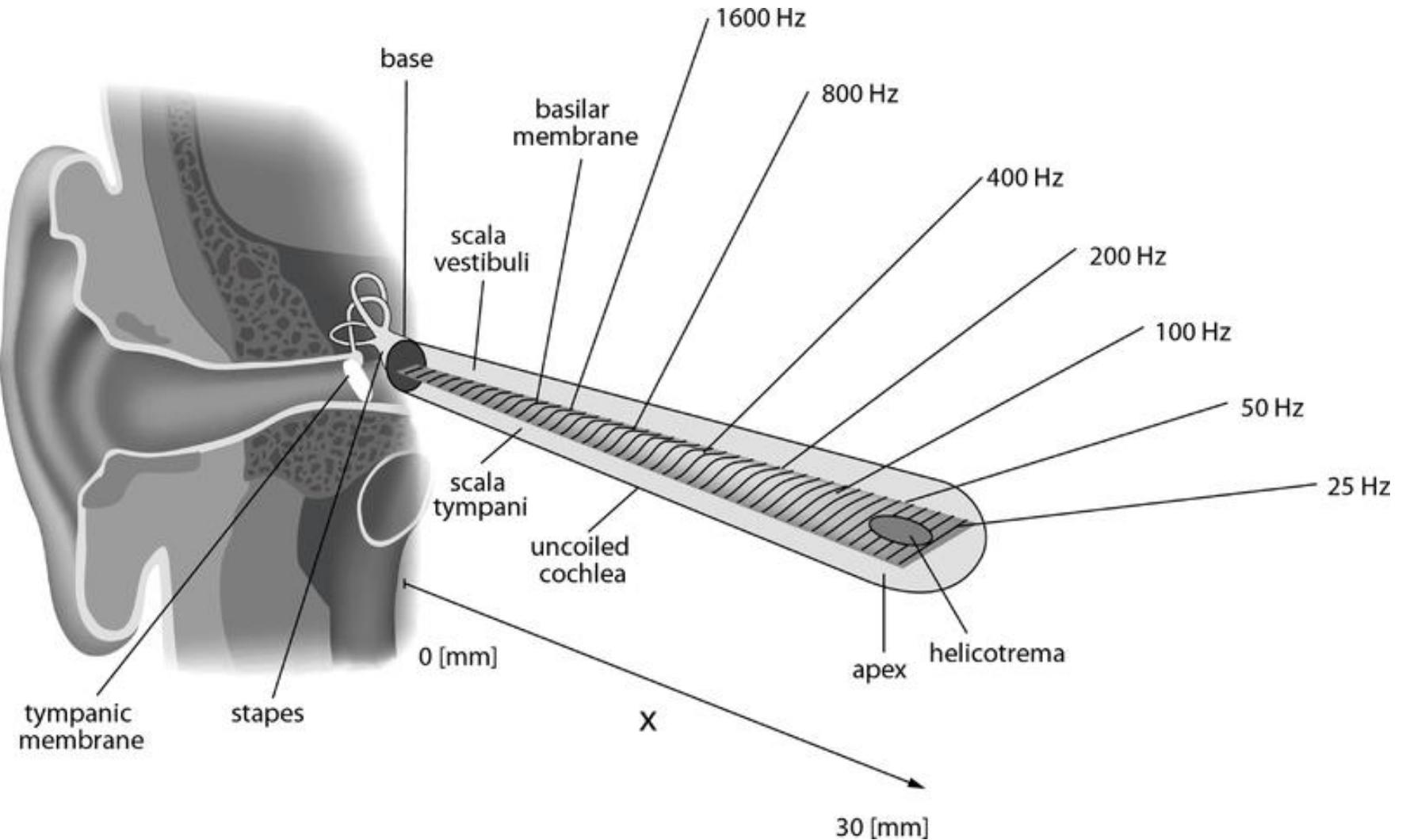
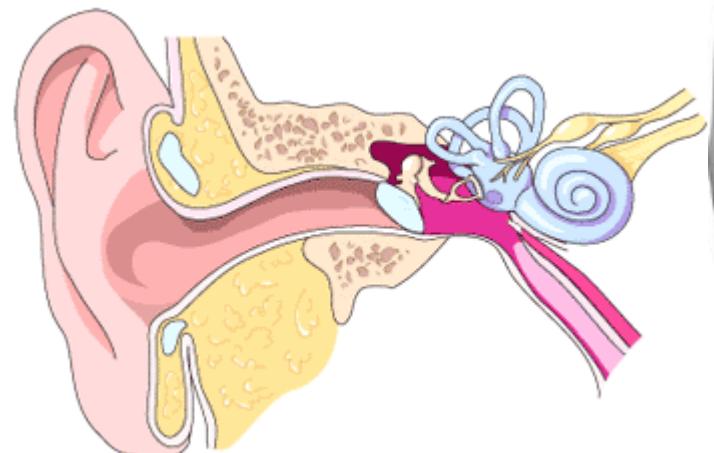
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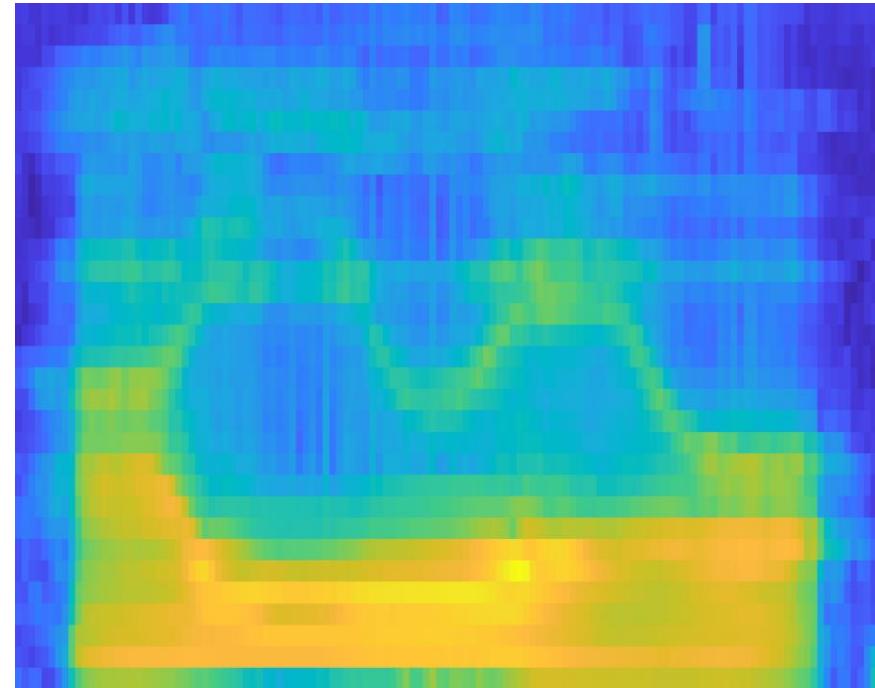
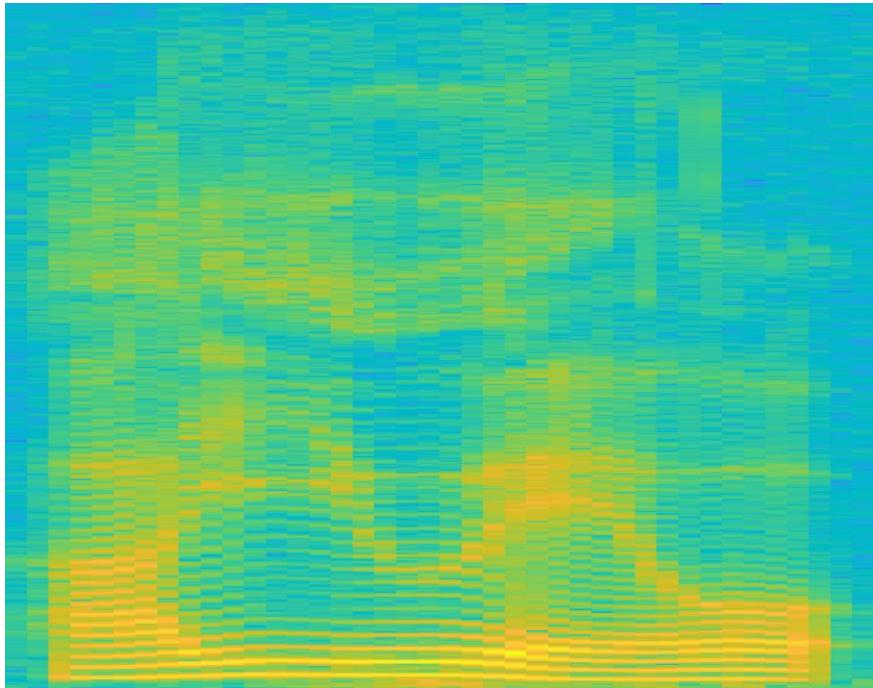
ディジタル信号処理による発声モデル



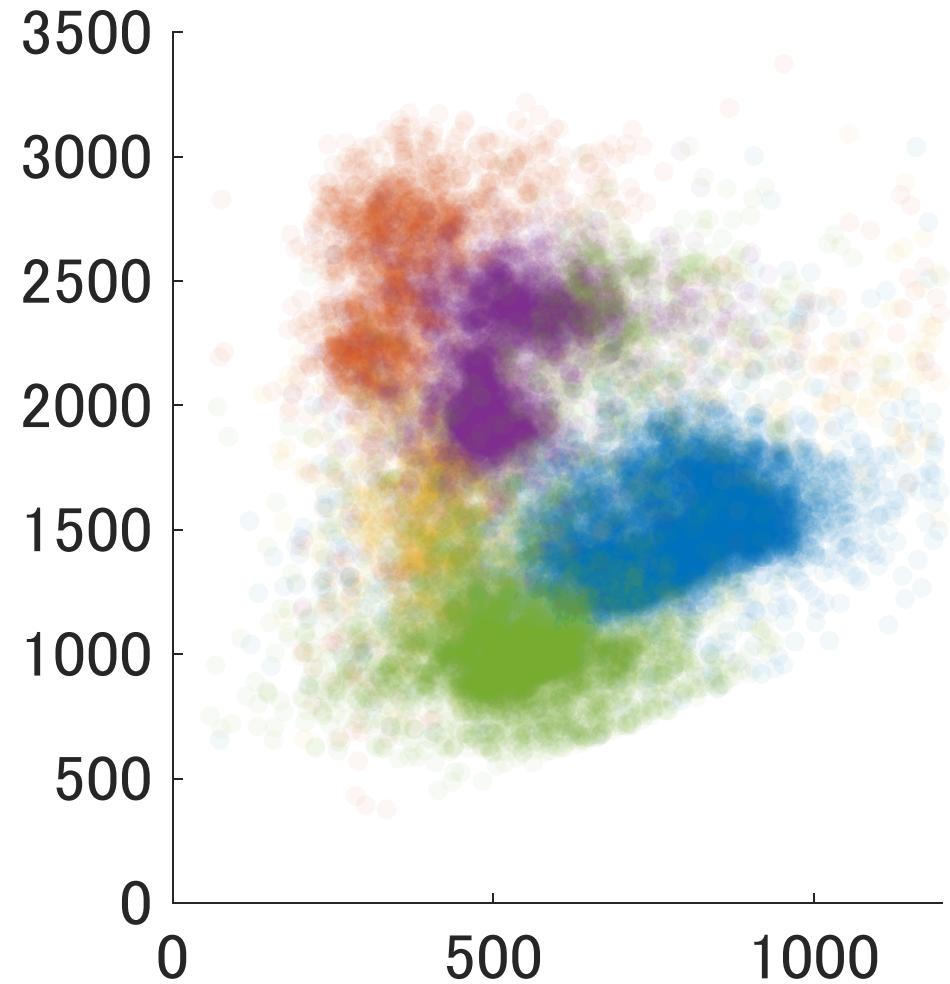
聴覚のしくみ



音声の特徴の時間変化



母音の分類



まとめ

- 音韻
- 音声の生成モデル
- 聴覚モデル
- メルスペクトログラム
- 母音の分類