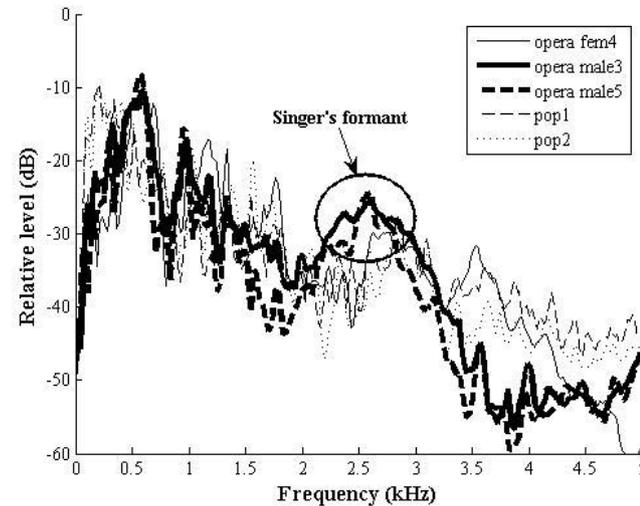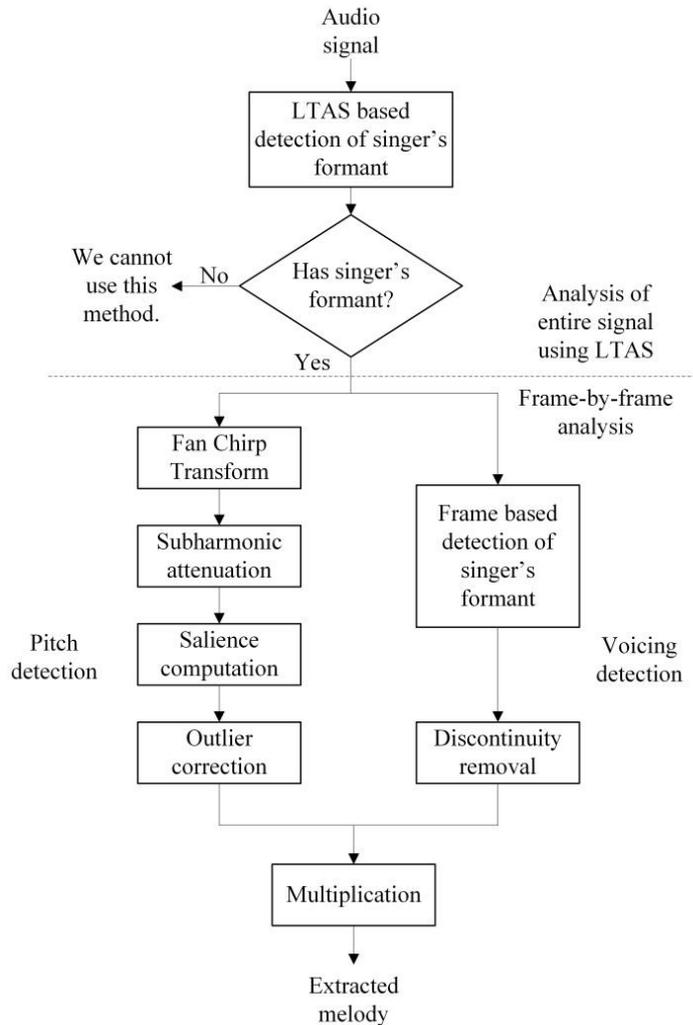# MELODY EXTRACTION FROM POLYPHONIC AUDIO OF WESTERN OPERA: A METHOD BASED ON DETECTION OF THE SINGER'S FORMANT

Zheng Tang[1] and Dawn A. A. Black

First author/ completion year	Voicing detection	Voicing false alarm	Raw pitch accuracy	Raw chroma accuracy	Overall accuracy
Vincent (Bayes)/ 2005	N/A	N/A	64.8%	68.6%	N/A
Vincent (YIN)/ 2005	N/A	N/A	69.5%	72.2%	N/A
Sutton/ 2006	89.3%	51.9%	87.0%	87.6%	76.9%
Cancela/ 2008	72.6%	39.3%	83.9%	84.8%	62.4%
Salamon/ 2011	62.3%	21.8%	25.4%	30.1%	31.3%
Our method	91.6%	5.3%	84.3%	85.1%	82.3%

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