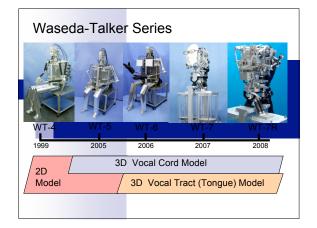
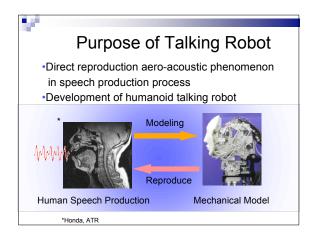
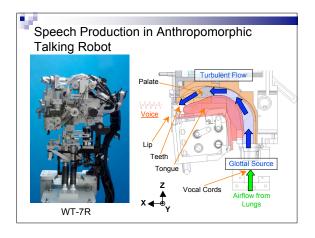
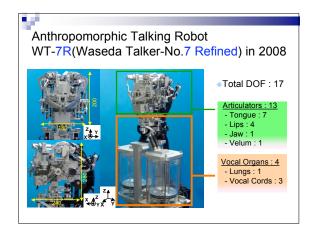
Production of Various Voice Qualities Using Mechanical Vocal Code Model Masaaki Honda, Kotaro Fukui, Eiji Shintaku, Yuma Ishikawa, Nana Sakakibara, Yoshikazu Mukaeda, Atsuo Takanishi Waseda University

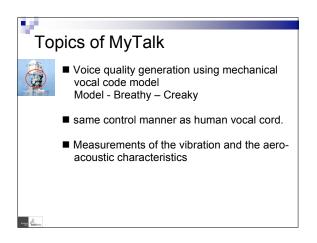




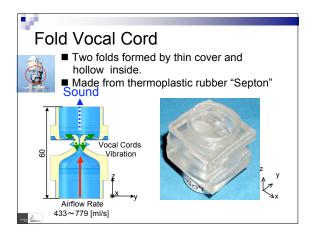


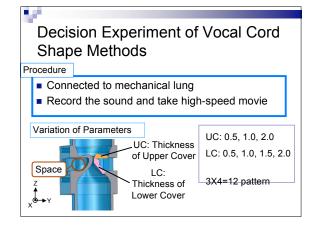


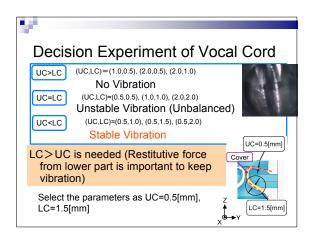


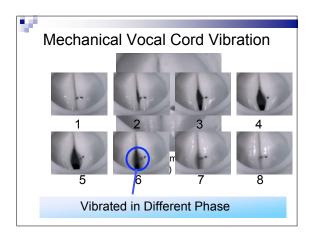


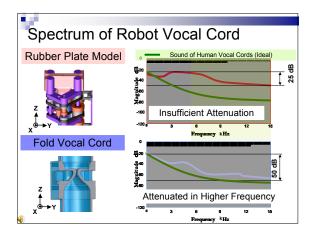
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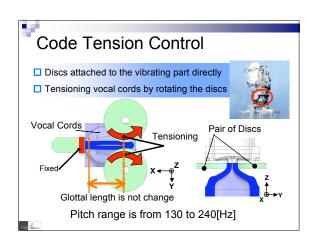


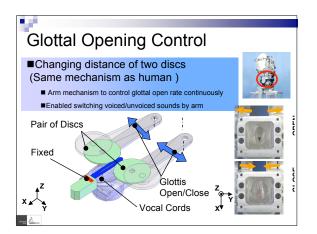


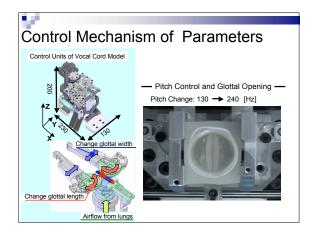


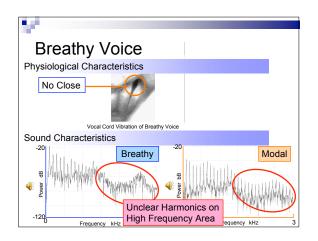


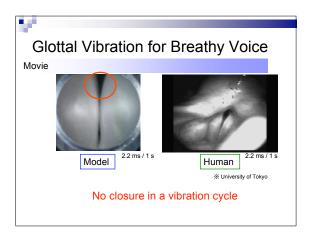


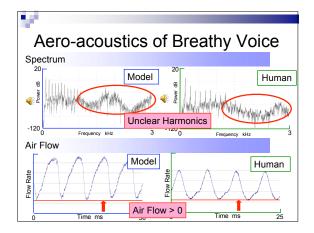


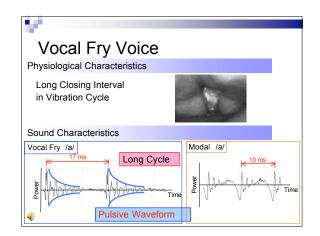


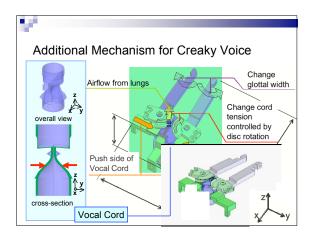


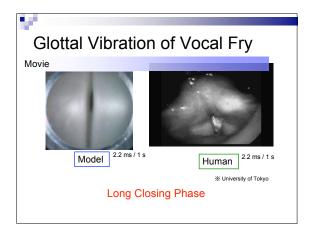


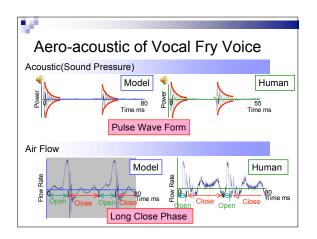












Summary

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- Developed mechanical vocal cord model
- Generated vocal cord vibration of modal, breathy and vocal fry voices
- Experimental results showed that the model predicts well the motional and the aeroacoustic characteristics of these human voices.