Transfer Learning from Speaker Verification to Multispeaker Text-To-Speech Synthesis

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- computed from reference utterance



		Train on VCTK			Train on Lik	
System	Speaker set	MOS-nat	MOS-sim	SV-EER	MOS-nat	MOS
Ground truth	Seen	4.43	_	_	4.49	
Ground truth	Unseen	4.49	4.67	1.5%	4.42	4.3
Lookup table	Seen	4.12	4.17	1.2%	3.90	3.7
Proposed	Seen	4.07	4.22	1.6%	3.89	3.2
Proposed	Unseen	4.20	3.28	10.5%	4.12	3.0
Proposed	Cross dataset	4.28	1.82	29.2%	4.01	2.7

- need to train synthesizer on many speakers

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- frequency and speaking rate

9. References

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• Synthesize text conditioned on randomly sampled speaker embeddings • All samples contain consistent phonetic content, but varied fundamental

• Fictitious speakers speakers are distinct from training speakers

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