

Experiments

Modes

experiments

Table 7

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report





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there

| Name | VoiceFixer | SSR | GSR | Training sets | Testing sets |
|---------------|------------|-----|-----|----------------------------------|-------------------------------------|
| Unprocessed | ✗ | ✗ | ✗ | / | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| Oracle-Mel | ✗ | ✗ | ✗ | / | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| Vocoder-TFGAN | ✗ | ✗ | ✗ | VCTK-Train; HQ-TTS; AISHELL-3 | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| Denoise-UNet | ✗ | ✓ | ✗ | VCTK-Train; VD-Noise; | DENOISE; ALL-GSR; |
| Dereverb-UNet | ✗ | ✓ | ✗ | VCTK-Train; RIR-Train; | DEREV |
| SR-UNet | ✗ | ✓ | ✗ | VCTK-Train; | SR |
| Declip-UNet | ✗ | ✓ | ✗ | VCTK-Train; | DECLI |
| NuWave | ✗ | ✓ | ✗ | VCTK-Train; | SR |
| SEANet | ✗ | ✓ | ✗ | VCTK-Train; | SR |
| SSPADE | ✗ | ✓ | ✗ | / | DECLI |
| GSR-UNet | ✗ | ✗ | ✓ | VCTK-Train; VD-Noise; RIR-Train; | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| VF-DNN | ✓ | ✗ | ✓ | VCTK-Train; VD-Noise; RIR-Train; | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| VF-BiGRU | ✓ | ✗ | ✓ | VCTK-Train; VD-Noise; RIR-Train; | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| VF-UNet-S | ✓ | ✗ | ✓ | VCTK-Train; VD-Noise; RIR-Train; | DENOISE; DEREV; SR; DECLI; ALL-GSR; |
| VF-UNet | ✓ | ✗ | ✓ | VCTK-Train; VD-Noise; RIR-Train; | DENOISE; DEREV; SR; DECLI; ALL-GSR; |

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