The capability of PAT is demonstrated for a number of speech analysis/synthesis tasks.

### Experimental Results

The capability of PAT is demonstrated for a number of speech analysis/synthesis tasks.

#### Pitch Tracking

Pitch tracking result

- **PAT**
  - UE (%) 5.38
  - VE (%) 4.83
  - GPE (%) 0.91
  - RMS (Hz) 5.4.6

Pitch tracking result with UV labeling

- **PAT**
  - GPE (%) 1.51
  - RMS (Hz) 5.4556

#### Speech Synthesis

MOS grading result

- **Z_SYNTHESIS** vs. **LPC**
  - 4.33 2.21
- **Z_SYNTHESIS** vs. original
  - 4.37 4.69
- **MU_SYNTHESIS** vs. **LPC**
  - 3.24 2.31
- **MU_SYNTHESIS** vs. original
  - 3.34 4.98

#### Speech Enhancement

Speech enhancement result for the vowel /a/

- **Original signal**
- **Noisy signal (0dB)**
- **Enhanced signal**