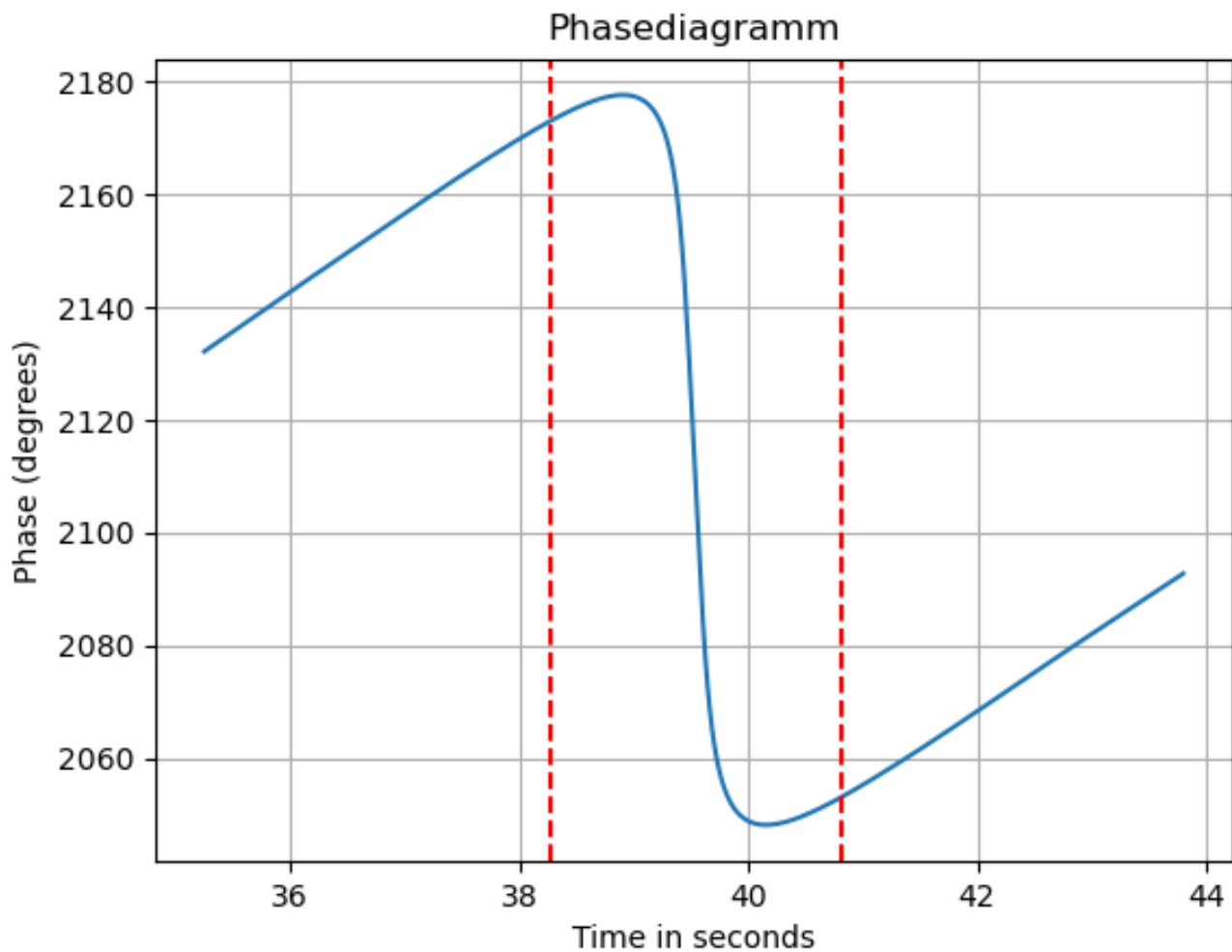# Audio tampering detection via the electrical network frequency
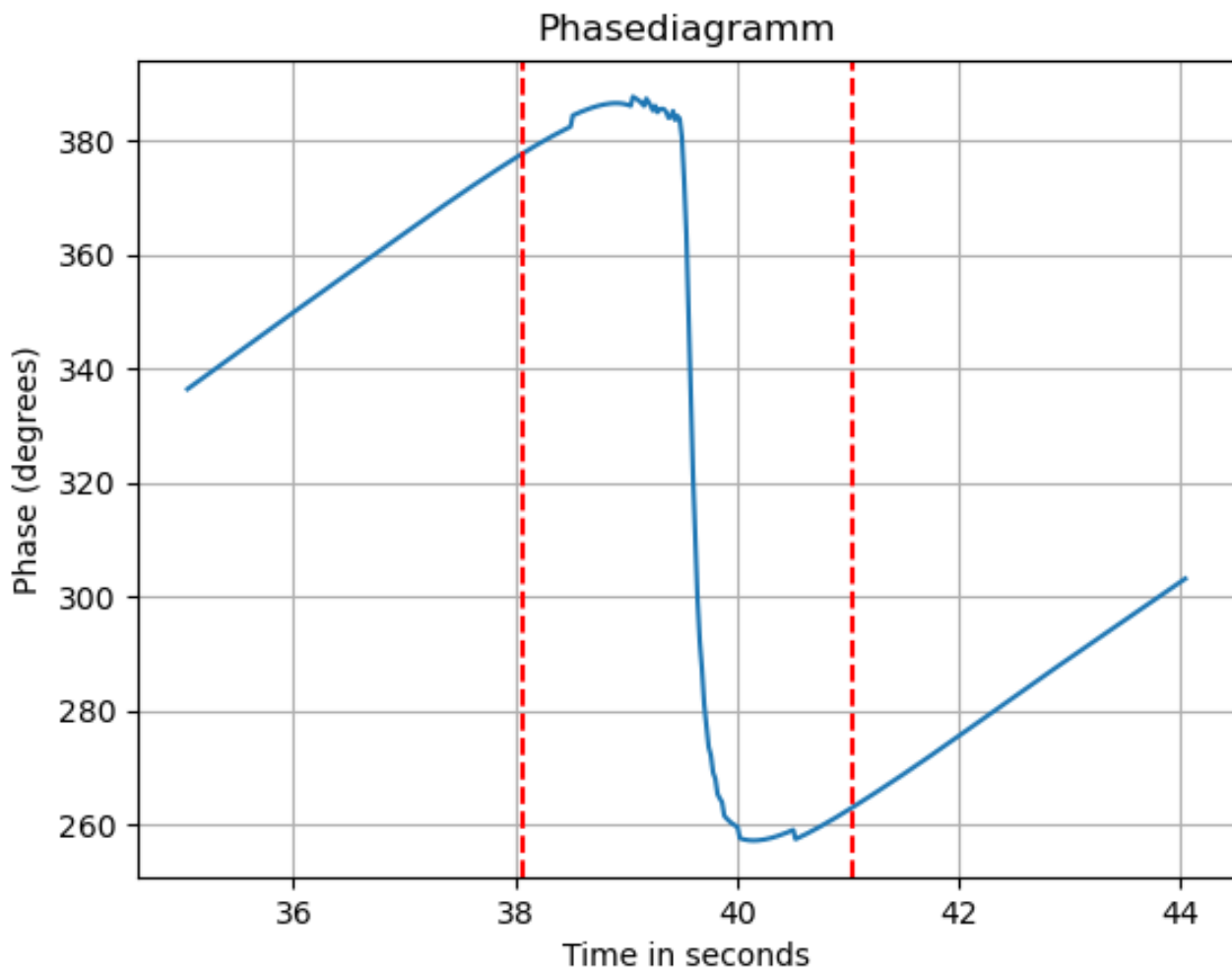
## Hilbert phase discontinuity



The Plot shows the phase diagram of the input signal in the found zone of interest. The phase is estimated via instantaneous Hilbert phase estimation.

**A phase discontinuity is detected.**

# Audio tampering detection via the electrical network frequency

## DFT0 phase discontinuity



Phasediagramm

The Plot shows the phase diagram of the input signal in the found zone of interest. The phase is estimated via instantaneous DFT0 phase estimation.

**A phase discontinuity is detected.**