

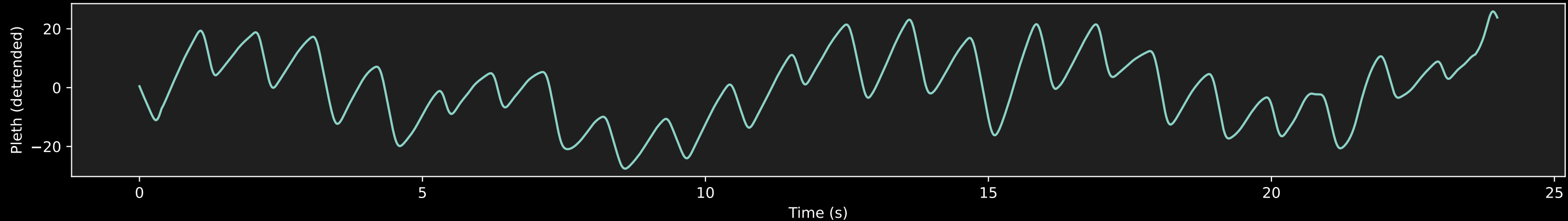
## Extracted RR Features

rr\_bpm\_fft: 12.5000  
rr\_bpm\_time: 12.5000  
breath\_count: 5  
duration\_s: 24.0000  
bti\_mean\_s: 4.6528  
bti\_sd\_s: 0.9823  
bti\_cv: 0.2111  
ie\_ratio\_median: 0.4608  
insp\_median\_s: 1.5626  
exp\_median\_s: 2.2437  
resp\_power\_ratio: 0.3189  
fs\_hz: 99.8333  
rr\_resolution\_bpm: 2.5000

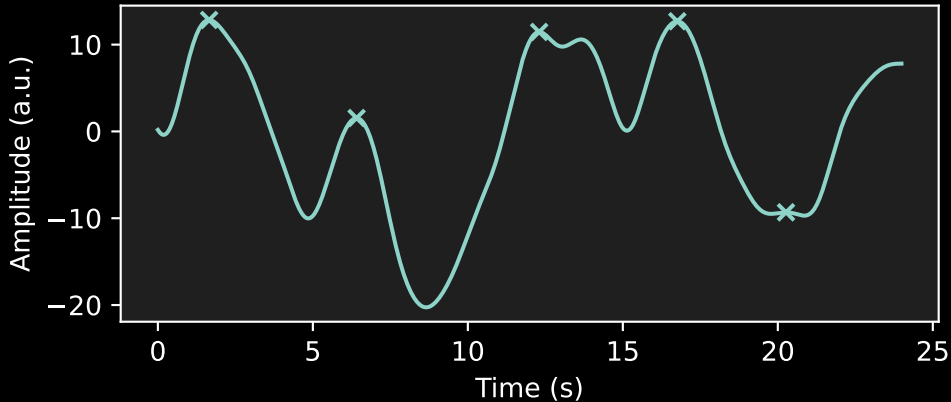
## Interpretation

- RR 12.5 bpm ( $\pm 2.5$ ) is within normal resting range (12-20).
- I:E  $\approx 0.46$  ( $\sim 1:2$ ) suggests relaxed breathing.
- Breathing regularity is good (CV 0.21).
- Respiratory modulation is strong (power ratio 0.32).

Smoothed PPG (slow modulation)



Derived Respiration Signal (with peaks)



PSD (0-1 Hz). FFT RR  $\approx 12.5$  bpm

