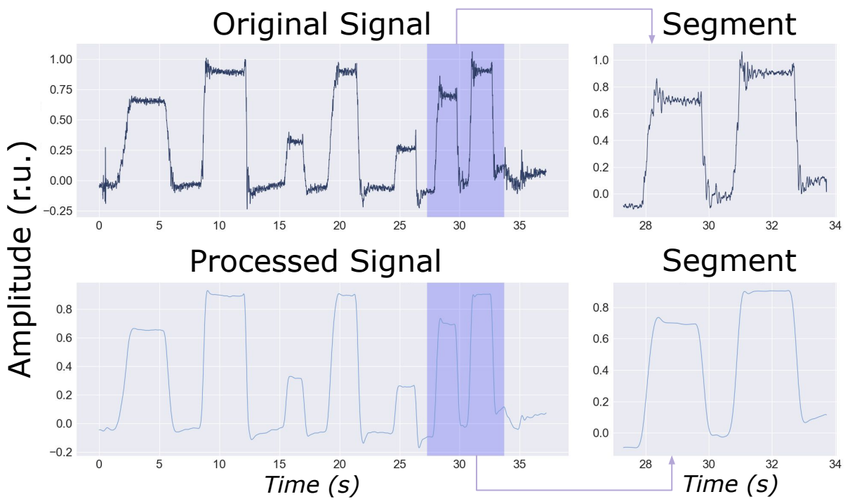
1 Pre-Processing

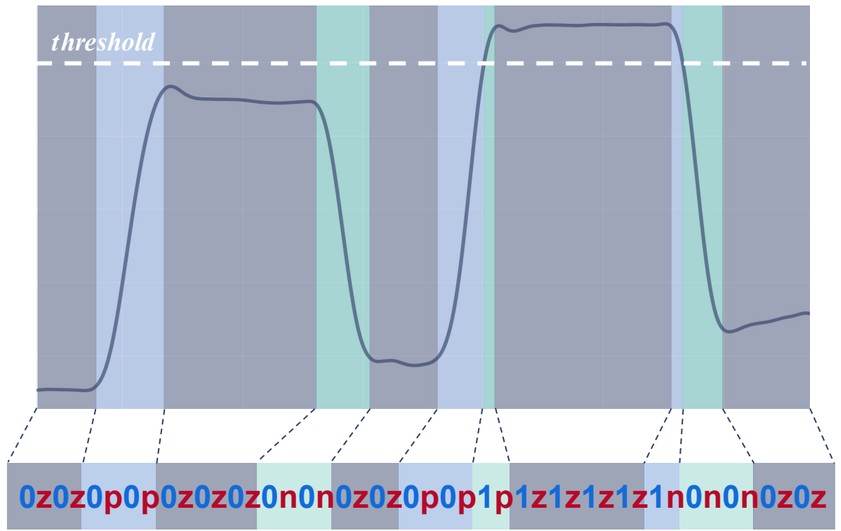
Sm 500



Sm (s, win_size) - Smoothing of s

2 Symbolic Connotation

A 0.8 D1 0.05

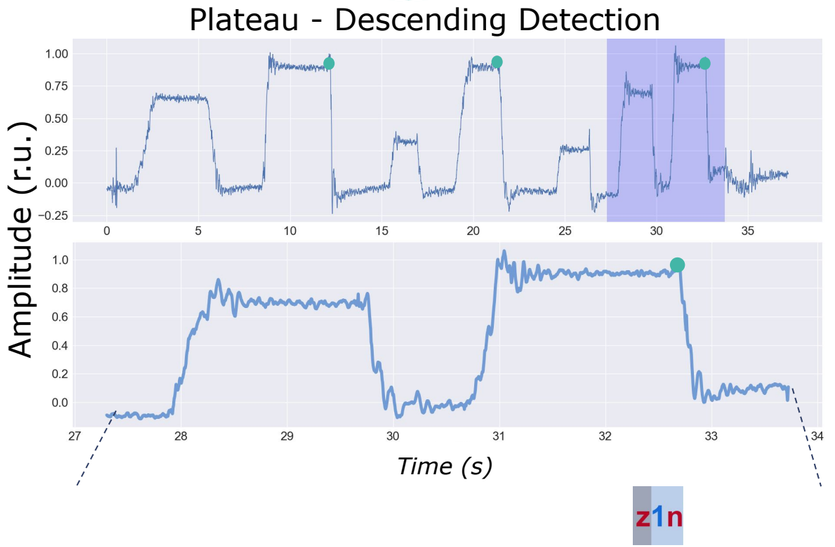


A(s, thr) - Amplitude thresholding. Everything superior to the threshold is "1", while the rest is "0";

D1(s, thr) - Derivative of the signal with a rounding threshold.
p - positive derivative, n - negative derivative and z - zero deriviative

3 Search

z1n



(1.z) - Amplitude superior to threshold and derivative is null

(1.n) - Amplitude superior to threshold and derivative is negative

(z1n) - Flat portion with amplitude above the threshold starting to a negative derivative portion.