



Introduction of the natural time analysis, as a tool in two classroom examples developed in Physical Engineering students

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In order to introduce the natural time analysis as topics in courses like signals processing and time series analysis, we present such methodology in a pair of examples: the synthetic seismicity and dichotomic noise. The first data set was obtained from an experimental setup where two surfaces of sandpapers interact between them to mimic the subduction regions. The second data set is a dichotomic time series generated by a chaotic dynamical system that simulates seismic electric signals.