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Detection of different voice diseases based on the nonlinear characterization of speech signals

Carlos M. Travieso , Jesús B. Alonso , J.R. Orozco-Arroyave ,
J.F. Vargas-Bonilla , E. Nöth , Antonio G. Ravelo-García

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Highlights

- A novel methodology to characterize voice diseases using nonlinear dynamics.
- Use of complexity measures based on the analysis of the time delay embedded space.
- Transformation of the feature space using a Discrete Hidden Markov Model.
- The methodology validated on three different datasets with different voice diseases.

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