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## Measure of Synchronism of Multidimensional Chaotic Sequences Based on Their Symbolic Representation in a T–Alphabet

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**Abstract.** A new approach to analysis of the synchronization of chaotic oscillations in two (or more) coupled oscillators is described that makes it possible to reveal changes in the structure of attractors and detect the appearance of intermittency. The proposed method is based on a symbolic analysis developed previously in the velocity–curvature space of multidimensional sequences and maps. The method is tested by application to a Lorentz system. The results confirm the informativity of the analyzer and reveal specific features of changes in the structure of an attractor of the three-component test system.

**Keywords:** Symbolic Analysis, T–Alphabet, Chaos Synchronization, Multidimensional Systems.

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