

## Use of discrete chaotic map in global optimization

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In this paper, some of mathematical properties relevant to the use of chaotic dynamical systems in optimization are identified and reviewed. In most optimization methods such as the COA(chaotic optimization algorithm), variables chaos generated by different types of applications such as the Logistic, the application Tent, Lozi, Ikeda and others have shown very interesting results that random application. As conclusion, it is proposed to use only those systems that are accessible to a mathematical analysis of their chaotic properties. The main idea is to improve the convergence of the optimization chaotic. In this paper, a chaotic strategy is proposed based on a new 2-D application chaotic. [1],[2],[3]

### Références

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