

International Conference on Management

تئوری هرج و مرج و علوم پیچیدگی؛ پشتیبانی برای تغییر آموزشی

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Chaos Theory and Sciences of complexity a Support for Educational Reform

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Abstract

The purpose of this work is to apply chaos theory and sciences of complexity in educational system reform. First, some of the main elements of chaos theory and sciences of complexity together with their theoretical contents are introduced. Then, overall characteristics of dynamic systems and their relationship with reform of educational systems are evaluated. After that, using chaos theory and sciences of complexity, their key concepts such as strange attractors and leverage points, solutions for educational system reform are suggested.

Keywords: chaos theory, sciences of complexity, educational system, co-evolution, dynamic complexity, fractal, strange attractors, leverage points