

Chaos in Science and Engineering

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ABSTRACT

Chaos is new scientific tool developed over recent years that is utilized for solving advanced scientific and technological research problems. It brings science and technology on advance level in many disciplines and it is increasingly being used in all many research areas, due to its wide-ranging applications. For development and modernization of science and technology, it is necessary to include chaos theory in the fundamental research as well as its applications. Some advantageous thought on chaos from current applicable researches are extracted. It attracts mathematicians, scientists and technologists toward chaos theory in any field of their researches. The goal of this presentation is to demonstrate some advancement in mathematics, science and technology using chaos theory followed by its basic introduction.

Keywords: Bifurcation, chaos, iteration, fixed points, periodic points.
