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Title: Hybrid artificial immune strategy in identification and optimization of mechanical systems

Author: Arkadiusz Poteralski

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Highlights

- Artificial immune systems as a global bio-inspired method
- hybrid artificial immune system based on the use of hypermutation gradient,
- hybrid artificial immune system based on Kriging method,
- hybrid version of AIS was used for the solution of the problem of uncertainties which identified material parameters had been distorted noise of a certain value,
- one of the primary goals defined by creating software based on artificial immune system was its universality and simplicity in applying it with any programs to solve problem on the basis of the changing design variables.

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