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Abstract

In this study, Multilayer Perceptron Artificial Neural Network (MLP-ANN) model and Least Square Support Vector Machine (LSSVM), were developed to predict the thermal performance and pressure loss of nanofluid flow through coils as non-straight pathways. There different coils with various curvature ratios and coil pitches were constructed and used. Stable TiO_2 (50 nm)/wate ing appropria was achieved by applica nofluid, Prandtl nu 7) were introduce ressure drop (291.35 to sults of develope ressure drop of nanoflu LP model of this study

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