Special Issue

Plasma and Artificial Intelligence

Message from the Guest Editors

The physics of plasma is developed mostly in tokamaks. Thes device is rather complicated with many unknown variables to control in order that the fusion experiment really starts. Magnetic configuration, internal currents, geometric configuration. There are also various instabilities that should be controlled, Alfven waves, elms, runaway electrons, and disruptions. All these issues have been evaluated in various tokamaks and somehow controlled. It is possible to collect all this data and study the most efficient one using a multilayer perceptron, i.e. artificial intelligence.

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