Evolving Rule-Based Models [A Tool for Design of Flexible Adaptive Systems /

Angelov, Plamen P.
aut.
http://id.loc.gov/vocabulary/relators/aut

Physica-Verlag HD :
Imprint: Physica,
2002

Logic, Symbolic and mathematical   Systems theory   Artificial intelligence
Engineering   Mathematical Logic and Foundations   Systems Theory, Control
Artificial Intelligence   Complexity

Monografía

The objects of modelling and control change due to dynamical characteristics, fault development or simply ageing. There is a need to up-date models inheriting useful structure and parameter information. The book gives an original solution to this problem with a number of examples. It treats an original approach to on-line adaptation of rule-based models and systems described by such models. It combines the benefits of fuzzy rule-based models suitable for the description of highly complex systems with the original recursive, non iterative technique of model evolution without necessarily using genetic algorithms, thus avoiding computational burden making possible real-time industrial applications. Potential applications range from autonomous systems, on-line fault detection and diagnosis, performance analysis to evolving (self-learning) intelligent decision support systems

https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjQ1NDMyODE

Título: Evolving Rule-Based Models Recurso electrónico] A Tool for Design of Flexible Adaptive Systems by Plamen P. Angelov

Edición: 1st ed. 2002

Editorial: Heidelberg Physica-Verlag HD Imprint: Physica 2002

Descripción física: XIII, 214 p

Mención de serie: Studies in fuzziness and soft computing 92 Studies in Fuzziness and Soft Computing 92

Nota general: Índice

Bibliografía: Bibliogr.: p. 199-208

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es