

Self-Organizing Maps for Automated Oil-Spill Detection

Oleg Aulov

A self-organizing map (SOM) or selforganizing feature map (SOFM) is a type of artificial neural network that is trained using unsupervised learning to produce a low-dimensional (typically twodimensional), discretized representation of the input space of the training samples, called a map. Self-organizing maps are different from other artificial neural networks in the sense that they use a neighborhood function to preserve the topological properties of the input space.

Retrieved from "https://wiki.esipfed.org/w/index.php?title=Self-Organizing_Maps_for_Automated_Oil-Spill_Detection&oldid=37368"

This page was last edited on December 28, 2011, at 09:08.

Content is available under GNU Free Documentation License 1.2 unless otherwise noted.