Politechnika Wrocławska

Faculty of Pure and Applied Mathematics

Field of study: Applied Mathematics
Specialty: Computational Mathematics

Master Thesis

APPLICATIONS OF WAVELETS IN DATA MINING

Kinga Kurowska

keywords:
wavelets
statistics
learning and adaptive systems

Short summary:
The thesis treats about statistical methods employing wavelets, focusing mainly on data mining and machine learning tasks. The special attention is paid to the edge detection problem, as an example of the pre-processing. The edge detection algorithm was developed and the thesis provide results for various images. There are also examples of the wavelet theory applications in medicine.

Supervisor	dr inż. Andrzej Giniewicz		
	Title, degree, name and surname	*Grade*	*Signature*

*For the purposes of archival thesis qualified to: ***
   a)   Category A (perpetual files)
   b)   Category BE 50 (subject to expertise after 50 years)
* Delete as appropriate

stamp of the faculty

Wrocław, 2018