Karin Gambe: Wavelets - an introduction

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Sammanfattning

The purpose of the talk will be to give a brief introduction to wavelets
and the wavelet transform. The wavelet transform has a lot in common
with the windowed Fourier transform but while the Fourier window is rigid
the wavelet varies depending on the time/frequency ratio.

In applications wavelets are often used together with a multiresolution anal-
ysis (MRA) and it will be shown how a wavelet basis can be constructed
by the means of an MRA and examples will be given to show how it helps
decomposing signals.