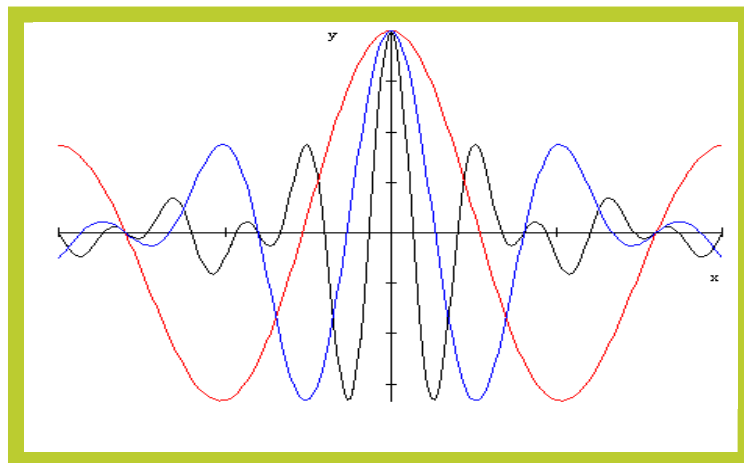


Workshop: *Wavelet Analysis with MATLAB - a hands-on approach*

Wavelet and MATLAB

The aim of the workshop is to introduce wavelets as a tool for data analysis for a number of **applications such as signal and image processing, communication systems, engineering, mathematics, computing, physics, biology medicine and finance.**

The workshop will cover the mathematical background of the wavelet analysis and will introduce examples of 1D and 2D discrete and continuous wavelet transforms with applications.



Workshop Programme

- The introduction to Wavelet Analysis with MATLAB will be on **Tuesday 20th December** between 10:00 -17:00. The workshop will be presented as a mixture of lectures and laboratory sessions for approximately 6 hours per day. The laboratory sessions will require the participants to have a working knowledge of MATLAB.
- Advanced sessions for those already familiar with the Wavelet will be held on **Wednesday 21st December 2011** between 10:00 -17:00.
- For participants not familiar with the MATLAB, there will be a half day course on the MATLAB on **Monday 19th December** between 14:00-17:00.
- Participants with the knowledge of MATLAB may wish to attend Tuesday and Wednesday sessions only.

Contact Details

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19-21 December 2010
Pandon Building F4/5
School of CEIS
Northumbria University

Registration Fees

Entire workshop	£300
Two days workshop	£250
Single day workshop	£150

The registration fee covers handouts for the workshop, use of MATLAB toolboxes, lunches and refreshments. Researchers who are paying for the event by themselves may wish to apply for a grant and reduced fee of £50/day.

Important Dates

Deadlines for:

Registration	10 th December 2011
Grant Applications	18 th November 2011

Organising Committee

Prof. Maia Angelova
Prof. Zabih. Ghassemlooy
Dr. Sujan Rajbhandari
Dr. Joaquin Perez Soler
Dr. Gary Verth

+ info : <http://group28.northumbria.ac.uk>