

Statistical Image Analysis

Tutorial Workshop by
Professor Brian Ripley

Saturday 5 June

Session 1: Overview of applications of statistics in image analysis.

Session 2: Models from spatial statistics for image priors; applications in remote sensing and to optical astronomy.

Session 3: Models for tomographic imaging: applications to SPECT, PET and MRI.

Session 4: Mechanistic models for images: galaxies and nematodes.

Sunday 6 June

Session 1: Pattern recognition in the 1990's.

Session 2: 'Novelty detection' in breasts, brains and jet engines.

Session 3: Visualization and classification of image data.

Session 4: The challenge of functional MRI.

References

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