SYSTEMS DESIGN ENGINEERING

Nonlinear Image Processing

SYDE 770 - *Topic 3*   **Winter**

Many problems in image processing and early vision are not adequately addressed within the conventional linear systems and signal processing framework. This course is a seminar style course exploring nonlinear systems in vision and image processing. Beginning with a review of standard nonlinear techniques--point operations, median and order statistics filters, homomorphic filters, and adaptive filters, we will go on to examine the recent literature of nonlinear methods and vision models.

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