

Title: Restoring Images with Regularization in Uncorrelated Transform Domain

Chris Chan
Hong Kong Polytechnic University

Abstract:

Conventional spatially-adaptive regularized image restoration schemes weight the amount of regularization according to the spatial content of an image. In this correspondence, we first separately decorrelate the signals under analysis into uncorrelated components and then weight the amount of regularization performed to these components accordingly. The proposed approach works better than conventional schemes especially in edge regions.