

Meeting: 1003, Atlanta, Georgia, SS 17A, AMS-SIAM Special Session on Nonsmooth Analysis in Variational and Imaging Problems, I

1003-49-1336 **Selim Esedoglu*** (esedoglu@math.ucla.edu), 520 Portola Plaza, Math Sciences Building 6363, Los Angeles, CA 90095, and **Tony F Chan** and **Mila Nikolova**. *Algorithms for Finding Global Minimizers of Image Segmentation and Denoising Models.*

We show how certain non-convex minimization problems that arise in image processing and computer vision can equivalently be restated as convex minimization problems. This allows, in particular, finding global minimizers via standard convex minimization schemes. (Received October 04, 2004)