Институт по Информационни и Комуникационни Технологии – БАН

Семинар
„Паралелни Алогоритми и Научни Пресмятания"

На 9 Декември 2014 г. (вторник) от 14:00 в зала 218 на ИИКТ-БАН, ул. Акад. Г. Бончев, блок 25А, **д-р. Станислав Харизанов,** ще изнесе доклад на тема:

Epigraphical Projection for Solving Least Squares Anscombe Transformed Constrained Optimization Problems

Abstract

Poisson data typically occur in imaging processes where the images are obtained by counting particles, e.g., photons, that hit the image support. By using the Anscombe transform, the Poisson noise can be approximated by an additive Gaussian noise with zero mean and unit variance. Then, the least squares difference between the Anscombe transformed corrupted image and the original image can be estimated by the number of observations. We use this information by considering an Anscombe transformed constrained model to restore the image. The advantage with respect to corresponding penalized approaches lies in the existence of a simple model for parameter estimation.