

Convex Optimization in Machine Learning: Multistage Relaxation for Non-Convex Objectives (Joseph Castagneri, Denis Kazakov, Davis Yoshida)



Optimal Beamforming Given Positional Array Element Uncertainty (Michael Fromandi, Ryan Montoya, Erez Shani)







Large

• Let ${\mathcal P}$ be :

• \mathcal{P} can be

each $X_i \in$

where Q is

We wish to

The results

for the optin

theorem:

Theorem

For a given s exchangeabl

On Superresolution

(Rachel Robey & Nicole Woytarowicz)

 $\min_{\tilde{x}} \| \tilde{x} \|_{TV}$ subject to $\mathcal{F}_c \tilde{x} = y$

Consider the dual to shift instead to infinite-dimensionality in the constraints



CS





joint State Method Applied to Seismic Migration

(Ryan Mustari, Derek Driggs

An Introduction to Differential Dynamic Programming for Optimal Control Problems (Manuel Díaz Ramos David Iglesias Echavarría Christopher Rabotin)



(1)



 $\lambda^* = \sum_{\Sigma \in \Upsilon} |\Sigma| \cdot \min_{\sigma \in \Sigma} \mathcal{P}(\sigma),$

and this weight is uniquely achieved by the measure Q^* which, for each $\Sigma \in \Upsilon$, gives equal mass $\min_{\sigma \in \Sigma} \frac{\mathcal{P}(\sigma)}{\lambda^*}$ to each $x \in \Sigma$.

