

Seminar & Events Bulletin: Analysis/Probability Learning Seminar
05-09-2013 to 11-07-2013

Thursday, May 23, 2013

4:10pm-5:20pm **Analysis/Probability Learning Seminar** -- Raja Giryes (Technion, Israel) *The analysis cospase model for signals and images* -- 4096 East Hall

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Abstracts

Analysis/Probability Learning Seminar

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4096 East Hall

Raja Giryes (Technion, Israel)

The analysis cospase model for signals and images

The cospase analysis model has been introduced recently as an interesting alternative to the standard sparse synthesis approach. In this talk I will point to the differences between the two models and the advantages and disadvantages that the analysis framework introduce for signal and image processing. A general recipe for generating analysis algorithms from existing synthesis ones will be presented, together with theoretical guarantees for several such "converted techniques". The impact of these results on the sparse synthesis framework will be discussed as well, highlighting a new view to what seems to be already classical results in sparse approximation theory. I will conclude with some open problems still unanswered.