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# Week 7 Lecture Notes and Tutorials

## Lecture Notes for Week 7:



### Week 7 Lecture Notes.pdf

PDF File

## Video Tutorials by Rich Pang:

Check out the Supplementary Video Tutorial on Gradient Ascent/Descent in this week's list of content. You may also want to review the Supplementary Video Tutorials on Change of Basis and PCA as well as the "Eigenworld" from Week 2 of this course to help you better understand some of the material in this week's lectures.

## Papers relevant to this week's lectures:

- [Olshausen & Field \(1996\)](#)
- [Rao \(1999\)](#)
- [Rao & Ballard \(1999\)](#)
- [Koch & Poggio \(1999\)](#)
- [Huang & Rao \(2011\)](#)

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