

Real Analysis Notes

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Here are notes on some topics in real analysis. They were created in collaboration with my graduate students as part of a Real Analysis course taught in the Fall of 2013. If you intend to use these notes, please acknowledge the source. I would also appreciate a short message indicating how the notes are being used sent to [piotr at ucf dot edu](mailto:piotr@ucf.edu). Your comments on the material will be appreciated.

The Daniell Integral: <http://arxiv.org/abs/1401.0310>

Integrals with values in Banach spaces and locally convex spaces: <http://arxiv.org/abs/1403.5209>

Measures: <https://sciences.ucf.edu/math/mikusinski/wp-content/uploads/sites/21/2017/11/MeasuresNew.pdf>

Positive Measures and Vector Measures: <https://sciences.ucf.edu/math/mikusinski/wp-content/uploads/sites/21/2017/11/VectorMeasures.pdf>