Math 650, Winter 2003, List of possible talks

1. Kadec $\frac{1}{4}$-Theorem.
2. Fourier coefficients of continuous functions.
3. An everywhere divergent Fourier series.
4. A short proof of Carleson's Theorem.
5. Spherical harmonics and Bessel functions.
6. The uncertainty principle.
7. Wavelet packets.
8. The construction of Meyer wavelets for rational dilation factors.
9. The non-existence of well-localized wavelets with irrational dilation factors.

References

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