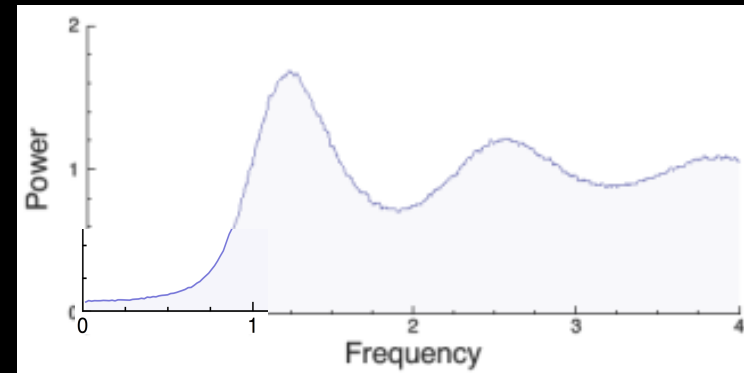
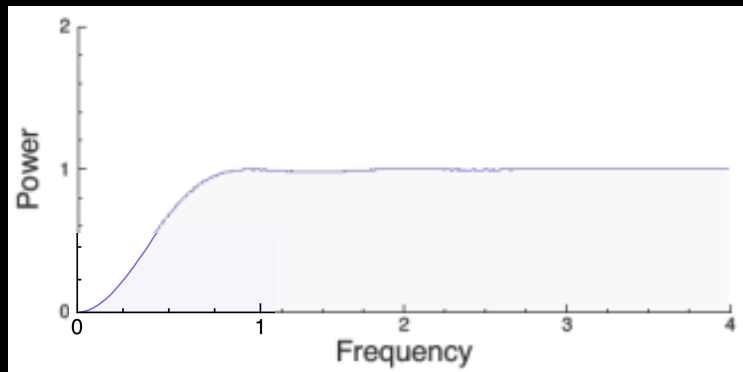


Conclusion: problems addressed

- Sampling problems
 - strategy
 - sampling rate e.g. samples per pixel
- Error
 - bias (careful judgement)
 - variance
 - convergence (depends on application)

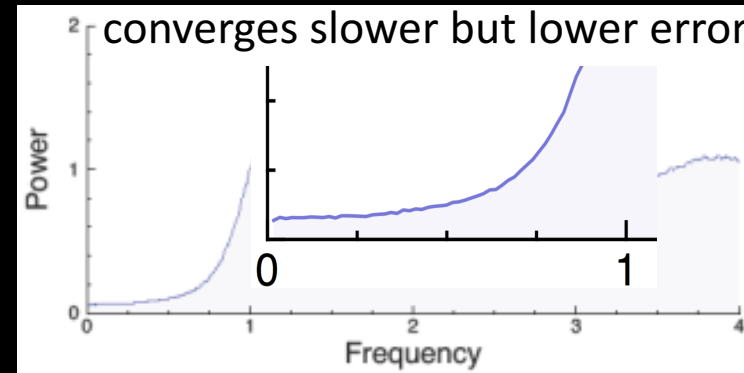
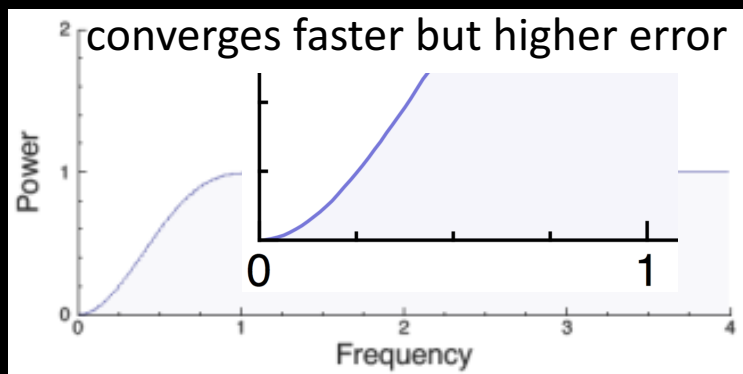
Conclusion: insight from Fourier analysis

- Error prediction useful in determining sampling decisions
- Different assessment criteria for reconstruction and integration
- Low-frequency zone of sampling spectra



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Opportunities

- analysis of quasi-Monte Carlo sampling

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- analysis of quasi-Monte Carlo sampling
- convergence analysis without homogenization

Opportunities

- analysis of quasi-Monte Carlo sampling
- convergence analysis without homogenization
- tailor sampling strategy to integrand

Questions?

Course website with slides, course notes, and code coming soon.