

3C7d

Perturbation Methods: Revision Questions

Easter 2023

The following questions are suggested as a focus for the revision class. Old papers can be downloaded from <http://tinyurl.com/grupmpz>. I hope it goes without saying that working through your solutions to questions on the earlier example sheets is a good way of revising.

- Algebraic equations and Watson's/Laplace's method: *2014 Paper 74, Question 1.*
- Algebraic equations and Approximation of Integrals: *2015 Paper 72, Question 1.*
- MAE: *2018 Paper 336, Question 2.*
- Stokes lines: *2015 Paper 72, Question 3.*
- Multiple scales: *2013 Paper 67, Question 2.*
- Ray theory: *2016 Paper 336, Question 3.*

Some extra questions if you have the time.

- Divide and conquer: *2014 Paper 74, Question 2(b).*
- MAE: *2008 Paper 82, Question 3.*
- MAE: *2016 Paper 336, Question 2.*
- Multiple scales: *2015 Paper 72, Question 2(a).*