

Quiz 11

MA 262
Artur's Class

2014/11/13

Problem 1

Consider the following inhomogenous equations.

$$(a) \quad y''' + 7y' + y = 4e^{at}$$

$$(b) \quad y'' - 6y' + 0.5y = \cos \omega x.$$

Do not solve them! Instead, tell me what trial solutions you would use.

Problem 2

What is a Green's function for? Just one or two sentences is fine. But be precise. (I don't care about the exact formula, but maybe tell me what data is used to construct it?)