# Answers to lecture problems – lectures 10…13

## Lecture 10

### Slide 1

Order is 2, equation is linear and homogeneous.



### Slide 3

Order 1, linear, inhomogeneous

Order 2, linear, homogeneous

Order 1, non-linear, inhomogeneous

Order 2, linear, homogeneous

Order 2, linear, homogeneous

Order 2, non-linear, inhomogeneous

## Lecture 11

### Slide 1





## Lecture 12

### Slide 1





## Lecture 13

### Slide 1



Second problem is tackled in the lecture!

