

12-267 Post Mortem

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I should have started w/ a review of multivariable calculus: The differential, The chain rule, partial derivatives commute.

Perhaps the right order for the "specific eqn types" is:

- 1 $F(x, y) = C \stackrel{d}{\implies}$ exact equations.
- 2 Separated equations.
- 3 Homogeneous linear equations.
 - 3a "Variation of the parameters" & non-homogeneous linear equations.
4. Integration factors in general, then examples:
 - 4a. Non-homogeneous linear equations [IF makes sense]
 - 4b. Other special classes of integration factors.
5. Other "sporadic" equations.