

**COMMENTS AND CORRECTIONS TO
DIFFERENTIAL EQUATIONS: THEORY AND
APPLICATIONS BY *DAVID BETOUNES***

JON JOHNSEN

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page 3₂: Should have ‘slightly’.

page 6₆: submanifold can be read as subset.

page 9: Figure 1.5 should have 4π instead of 3π .

page 14₁₇: Should have ‘terminology’.

page 16: In the definition of a differentiable curve, the interval I should be *open* in order that differentiations can be made in the usual way. I.e, $I =]a, b[$ or $I =] - \infty, b[$ or $I =]a, \infty[$.

page 17₁₃: Should end with “...potential ϕ , then”.

page 22: Exercise 1.2.1 (a) should have $[-2, 2]$ in the definition of R .

page 24: In (2) the curve α must be assumed to be differentiable.

page 27: The subsection should be titled “Reduction to 1st-order and to autonomous systems”.