Math 31L Lab Quiz (Euler's Method)

Blake, Fall 1998

| Name | | | |
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| Name | | | |

[15 points] Suppose that y is a function of t, y(1) = 5, and $\frac{dy}{dt} = l \, n \, (1 + t^2)$. Use Euler's method with $\Delta t = 0$. 4 to approximate y(3). Clearly show all steps, including the y values at each step.



Leonard Euler (1707-1783)