Laplace's equation

Solveig Lunde

Laplace Signing (numish losning)

$$\Delta f = 0$$

$$\Delta = \nabla \cdot \nabla = \nabla^2 = \text{Laplace operatoron}$$

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$$\nabla^2 f = \frac{3^2 f}{3x^2} + \frac{3^2 f}{3y^2}$$

$$\lambda = \frac{3^2 f}{3x^2} + \frac{3^2 f}{3y^2}$$

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 $\frac{\partial^{2} f}{\partial y^{2}} = \frac{f_{i,i+1} - 2f_{i,i} + f_{i,i-1}}{(\partial y)^{2}}$ 



