
勾配 (gradient)

関数 f に対して、 f の勾配 (gradient)

$$f : \mathbb{R}^3 \rightarrow \mathbb{R}, \quad (x_1, x_2, x_3) \mapsto y \tag{1}$$

$$Df = \nabla f = \left(\frac{\partial f}{\partial x_1}, \frac{\partial f}{\partial x_2}, \frac{\partial f}{\partial x_3} \right) \tag{2}$$

偏微分方程式 (partial differential equation)

輸送方程式 (transport equation)

Report 1.1

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