

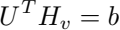


$$\nabla^2 f = \sum_{i=1}^n \frac{\partial^2 f}{\partial x_i^2}$$

$$\sqrt{x^2+y^2} f(x,y) + f(x+1,y) + f(x,y+1) - 4f(x,y)$$

$$K = \begin{pmatrix} 0 & 1 & 0 \\ 1 & -4 & 1 \\ 0 & 1 & 0 \end{pmatrix}$$

$$-v_1 + v_2 - v_3 + v_4 = 0$$

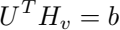


A pixelated, black and white graphic of the word "DANGER" in a bold, blocky font. The letters are thick and have a jagged, hand-drawn appearance. The word is centered horizontally and occupies most of the width of the image.



THE WORLD'S

$$-4v_i v_j + v_i + 1_j + v_i - 1_j + v_i v_j + 1_j + v_i v_j - 1_j \sqrt{2} S(i, j)$$



$$\frac{d}{dx}(U) = D_x$$

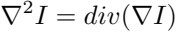
$$\frac{d}{dy}(U) = D_y$$

$$S_x = \begin{pmatrix} -1 & 0 & 1 \\ -2 & 0 & 2 \\ -1 & 0 & 1 \end{pmatrix}$$

$$S_y = \begin{pmatrix} -1 & -2 & -1 \\ 0 & 0 & 0 \\ 1 & 2 & 1 \end{pmatrix}$$

$$-u_{i-1,j-1} - 2u_{i-1,j} - u_{i-1,j+1} + u_{i+1,j+1} + 2u_{i+1,j} + u_{i,j+1} = D_x(i,j)$$

$$-u_{i-1,j-1} - 2u_{i,j-1} - u_{i+1,j+1} + u_{i-1,j-1} + 2u_{i,j+1} + u_{i+1,j+1} = D_y(i,j)$$



Вопросы и ответы

$$\nabla I^2(i,j) = \frac{\partial D_x(i,j)}{\partial x} + \frac{\partial D_y(i,j)}{\partial y}$$

$$\begin{pmatrix} 0 & 1 & 0 \\ 1 & -4 & 1 \\ 0 & 1 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 & 0 & 0 \\ 0 & -1 & 1 \\ 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 & 0 & 0 \\ 0 & -1 & 0 \\ 0 & 1 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 & 0 & 0 \\ -1 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 & -1 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$