$$\frac{\partial u}{\partial t} - \frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} = b$$

Ignore relativity. $\Rightarrow$ Heat conducting speed $\rightarrow \infty$

$$\frac{u[t][x][y] - u[t-1][x][y]}{g} -$$

$$\left(\frac{u[t][x+1][y] + u[t][x-1][y] + u[t][x][y+1] + u[t][x][y-1]}{h^2} \right)$$

$$+ \frac{4u[t][x][y]}{h^2} = b$$

Let $h = 1$.

$$\left(t + \frac{1}{g}\right) u[t][x][y] = b[t][x][y] + \frac{u[t-1][x][y]}{g}$$

$$+$$

$$\left(u[t][x+1][y] + u[t][x-1][y] + u[t][x][y+1] + u[t][x][y-1] \right)$$

$$\Rightarrow u[t][x][y] = \frac{g}{4+g} b[t][x][y] + \frac{u[t-1][x][y]}{4+g}$$

$$+$$

$$\frac{g}{4+g} \left(u[t][x+1][y] + u[t][x-1][y] + u[t][x][y+1] + u[t][x][y-1] \right)$$