308533 Willton Pilancyle

$$T_{U} = \frac{\partial^{2} u}{\partial x^{2}} + y \frac{\partial^{2} u}{\partial x \partial y} + \frac{\partial^{2} u}{\partial y^{2}} + z \frac{\partial^{2} u}{\partial z^{2}} = 0$$

Równanik w innej formie

$$T = \left(\frac{\partial}{\partial x}, \frac{\partial}{\partial y}, \frac{\partial}{\partial z}\right) \begin{pmatrix} y_{1} & 1 \\ y_{2} & 1 \end{pmatrix}$$

$$A$$

Duyinita wartsicia utarna jest: 1=2

(1/2 1) Rôman: harshterysty me
$$\lambda^2 - 2\lambda - \frac{x^2}{4} + 1 = 0$$

When wardish was $\lambda_1 = \frac{2-x}{2}$ $\lambda_2 = \frac{x+2}{2}$

Jesh
$$x \in (-\infty, -2)$$

 $t_0 \quad \lambda_2 \neq 0$, $\lambda_3 < 0$
 $x \in (-2, 2)$
 $t_0 \quad \lambda_2 \neq 0$, $\lambda_3 \neq 0$
 $x \in (2, +\infty)$

$$\begin{array}{ccccc}
x & c & (2, +\infty) \\
t_o & \lambda_2 & < t_o & \lambda_3 & > 0
\end{array}$$

Brigary prograthi data)=0

Music la

nomanic jest hiperboliane

rómanil jest eliptyens

Wilston Pilarungh 308533 uxy+aux+buy+cm=D n (x,y) = v(x,y) e (-6x-ay) Wtills ux = Vx e (-6x-0 /g) + V e (6x-0 /g) (-6) uy = Vye (-6x-ay) + Ve (-6x-ay) (-a) Uxy=Vxye (-6x-ey) + Vye (-6x-ey)(-6) + Vxe +ve +ve (-6) Nich E = e-6x-09 Tense podstamings [| Vxy - buy - Rvx + Qbv + Qvx - abv + buy - abv + CV) =0 E (Vxy + Lu-abu)=0 /: E +0 Vxy + ((-&b) v =0 insti atmymshismy to cresp gruholismy

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