





centered A; 2 Ruk $(U_t + a(u_x) = (b u_{xx})$ > st = (min) { stade, states Stady RWL >> 1t diff 0,00 11 operator glitty # (explicit) (implicit) Step 1; $\mathcal{U}_t + a\mathcal{U}_x = 0$ (explicit) Step 2; $\mathcal{U}_t = k\mathcal{U}_{xx}$ (implient)

Ut + all + bly = 0 2D

(i) (at)
$$\leq C$$
 \{\begin{array}{c} \alpha \\ \lambda \\ \lambda \end{array}\end{array}\\ \lambda \text{ = all at \\ \lambda \\ \lambda \end{array}\\ \lambda = b\\

\[
\begin{array}{c} \alpha \\ \lambda \\ \la

 $\Delta t \approx 1$