$$(2) \frac{\partial V}{\partial t} = \gamma(0 - V)$$

 $((x,0)=\exp(\cos(\frac{2\pi x}{L}))$ Condiciones inicialess

$$V(x,0) = \exp(c\alpha \left( \frac{1}{L} \right))$$

$$V(x,0) = 0.$$

Tenemos andamos de Franera perodicas:

Condiciones de Frontera

V(L, 0 = V(0, f) V(L, U = U(0,4)

Solvendo que:
$$\frac{d\phi}{dx} \sim \frac{\phi(x+\Delta x) - \phi(x-\Delta x)}{2\Delta x}$$
 (centrado)

so applications to anterior of 1/2 / Fenences. La discretización en diferencias finitas.

00 = Q(+1 - Q(-1)

ter mas

DV= /8 (U-V) DU= 0 (Vin- Vin)

Esquema de Mance temporal.

U." = \(\alpha\left(\alpha\_{r+} - \alpha\_{r-1}\right) + \alpha\_r\right) Ly Vi = B(V. V.) + V. Uint - Ui = ox ( Ui+1 - (Vi-1) Vi - V. = & (4-V.)

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