$$+\begin{pmatrix} \cancel{\text{ev}(f'(t))} & 0 & 0 \\ 0 & \cancel{\text{ev}(f''(t))} & 0 \\ 0 & 0 & \text{ev}(z'_{t,s})\,|s-t|^{2\mu} \end{pmatrix}$$

$$\text{ev}\left(z'_{t,s},\ f'''(t)(r-t) + |r-t|^{1+\mu} z^2_{t,s}\right)$$

$\cancel{|s-t|^{2\mu}}$

↳ has $\det = 0$.

$$\det(A + K_1 + K_2)$$

$$\geq \underbrace{\det(A) + \det(K_1)}_{\geq 0} + \underbrace{\det(K_2)}_{0}$$

$$\det(K_2) = 0.$$