Info

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$\mathrm{Mat}_{\mathbb{R}}(2)$ up to $GL_{\mathbb{R}}(2)$ conjugation

$\mathrm{Mat}_{\mathbb{R}}(2)$ up to $GL_{\mathbb{C}}(2)$ conjugation

real canonical forms

The three types of real canonical forms are

$$\begin{bmatrix} \lambda_1 & 0 \\ 0 & \lambda_2 \end{bmatrix}$$

for $\lambda_1 \geq \lambda_2$,

$$\begin{bmatrix} \lambda & 1 \\ 0 & \lambda \end{bmatrix}$$

and

$$\begin{bmatrix} a & -b \\ b & a \end{bmatrix}$$

Current note has 0 direct children and 0 total descendants.

- squishy
  - $\mathrm{Mat}_{\mathbb{R}}(2)$
    - $\mathrm{Mat}_{\mathbb{R}}(2)$ up to $GL_{\mathbb{R}}(2)$ conjugation

And it has 3 siblings.

- squishy
  - $\mathrm{Mat}_{\mathbb{R}}(2)$
    - Characteristic polynomials of $\mathrm{Mat}_{\mathbb{R}}(2)$
    - $\mathrm{Mat}_{\mathbb{R}}(2)$ up to $GL_{\mathbb{C}}(2)$ conjugation
    - $\mathrm{Mat}_{\mathbb{R}}(2)$ up to $GL_{\mathbb{R}}(2)$ conjugation