On the biharmonic curves in the special linear group $\mathrm{SL}(2, \mathbb{R})$

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Resumo/Abstract:

We characterize the biharmonic curves in the special linear group $\mathrm{SL}(2, \mathbb{R})$. In particular, we show that all proper biharmonic curves in $\mathrm{SL}(2, \mathbb{R})$ are helices and we give their explicit parametrizations as curves in the pseudo-Euclidean space $\mathbb{R}_2^4$.

References

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