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$$SO^+(2,2)(\mathbb{R})$$

Proposition:

$$SO^+(2,2)(\mathbb{R}) \cong SL(2)(\mathbb{R}) \times SL(2)(\mathbb{R})$$

[1]

Current note has 0 direct children and 0 total descendants.

- [squishy](#)
 - SO
 - $SO^+(2,2)(\mathbb{R})$

And it has 5 siblings.

- [squishy](#)
 - SO
 - $SO(x^2 + y^2 - \sqrt{2}z^2)(\mathbb{Z}[\sqrt{2}])$
 - $SO(2)(\mathbb{R})$
 - $SO^+(2,2)(\mathbb{R})$
 - $SO(3, \mathbb{R})$
 - $SO(4, \mathbb{R})$

1. <https://math.stackexchange.com/q/1663065> ↩