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A new simple tiling, with unusual properties, by a polyhedron with 14 faces. (English)

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Summary: A monotypic simple tiling by a 14-face polyhedron that does not admit an isohedral tiling is described. The tiling is triclinic and contains four distinct, but combinatorially equivalent, kinds of tile.

MSC:

[52C22](#) Tilings in n dimensions (aspects of discrete geometry)

[51M20](#) Polyhedra and polytopes; regular figures, division of spaces

[82D25](#) Statistical mechanics of crystals

Keywords:

[simple tiling](#)

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