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Quasi-periodic tiling arises from bilayer graphene. Relativistic electrons called Dirac electrons are realized on a quasicrystal prepared by depositing one atomically thin carbon layer atop

another at a 30° twist angle. Three basic building blocks—squares, rhombuses, and equilateral triangles—with different orientations can fill the entire space of the 12-fold rotationally symmetric quasicrystal without translational symmetry. See page 782.

For more on the process behind the cover image, see <https://scim.ag/2MUHiqW>.

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