1171-05-230   **Matias von Bell**, **Mark Denker*** (`mark.denker@ku.edu`), **Jessica Dickson**, **Paul Horn**,
Kate Lorenzen and **Rachel Perrier**. *Triangular and Three-Dimensional*
Floorplans. Preliminary report.

A triangular floorplan is a subdivision of a triangle into triangular rooms. A slicing floorplan is constructed inductively one wall at a time. We provide an enumeration of triangular floorplans with a specified number of rooms, as well as bijections to separable permutation pairs and, in the slicing case, three-dimensional rectangular floorplans. (Received August 16, 2021)