

## **The census of transverse veering triangulations**

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Introduced by Agol, veering triangulations arise in the study of the mapping classes on surfaces, of flows on three-manifolds, of the Thurston norm ball, and of the Cannon-Thurston map. Using a new decomposition of veering triangulations, we have produced the census of transverse veering triangulations up to 16 tetrahedra. Of course, having data leads to the making (and disproving) of conjectures; I will mention several such. This is joint work with Henry Segerman.

The census is available at the following URL:

<https://math.okstate.edu/people/segerman/veering.html>