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Bram Petri* (brampetri@gmail.com), Bonn, Germany. *Typical and atypical hyperbolic surfaces.*

In this talk I will speak about a combinatorial construction of compact hyperbolic surfaces. This construction gives rise to a countable yet dense subset of every moduli space of compact hyperbolic surfaces.

I will speak about two ways to use this construction. First of all, it can be randomized, which makes it possible to say something about the geometry of a typical hyperbolic surface. On the other hand, it can also be used to construct surfaces with unusual geometric properties. In particular, I will speak about joint work with Alex Walker, in which we used them to construct surfaces with large systoles. (Received January 22, 2016)