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Jacques Verstraete*, 9500 Gilman Drive, La Jolla, CA 92093-0111, and **Zoltan Furedi, Tao Jiang, Alexandr Kostochka** and **Dhruv Mubayi**. *Paths and matching in convex geometric hypergraphs.*

A convex geometric hypergraph is a hypergraph whose vertex set comprises the vertices of a convex n -gon. We extend earlier results of a number of authors from convex geometric graphs to convex geometric uniform hypergraphs, with focus on the case of tight paths and matching shoes. Consequently we obtain a number of asymptotically sharp results, and the current best upper bounds on the Turán problem for tight paths. (Received September 26, 2017)