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## Some platonic twisted twins

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### **Abstract**

We study polygonal complexes that are platonic (i.e., have a flag transitive group of symmetries), are simply connected, and have vertex link a complete graph (on at least 4 vertices). The 2-skeleta of the platonic polytopes are examples. Apart from these we have found only 6 other finite examples. I will discuss these and some families of non-positively curved examples.

*This is joint work with Roger Vogeler .*