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Rowan Rowlands* (rowanr@u.washington.edu). *Reconstructing d -manifold subcomplexes of cubes from their $(\lfloor d/2 \rfloor + 1)$ -skeletons.*

In 1984, Dancis, building on the work of Perles for simplicial polytopes and spheres, proved that any d -dimensional simplicial manifold can be reconstructed from knowledge of its $(\lfloor d/2 \rfloor + 1)$ -skeleton. If you modify the definition of a simplicial complex to use cubes instead of simplices, you get a “cubical complex”; we explain how Dancis’s idea may be adapted to apply to a certain family of cubical complexes, namely those that can be embedded in a cube of some dimension. (Received September 09, 2019)