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**Kyle Leland Chapman\*** ([kyle.chapman.topology@gmail.com](mailto:kyle.chapman.topology@gmail.com)). *Decomposing Knot Space: a natural simplicial decomposition of equilateral PL-curves.*

The space of equilateral PL-curves is relevant to the study of geometric knot theory. I present a decomposition into simplexes which are all isometric, making the space identifiable with the finite set product a single simplex. This decomposition is indexable in a way that makes the generating of such curves quite rapid, and which cooperates nicely with integer radius constraints and either being open or closed. (Received August 31, 2018)