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Piotr Przytycki and **Jennifer Schultens*** (jcs@math.ucdavis.edu), 1 Shields Ave, Davis, CA 95616. *Topology of Kakimizu Complex*. Preliminary report.

Nearly two decades ago, Osamu Kakimizu embarked on the study of spanning surfaces for knots. He defined a complex in which vertices correspond to isotopy classes of spanning surfaces and higher dimensional simplices correspond to collections of such isotopy classes admitting disjoint representatives. This complex is interesting in its own right. An understanding of its topology sheds light on the relation between the various Seifert surfaces of a knot and thus informs our understanding of the knot. We will discuss key features of the topology of the Kakimizu complex. (Received March 29, 2010)