

On flat braidzel surfaces for links

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Abstract. Rudolph introduced a notion of braidzel surfaces as a generalization of pretzel surfaces in his study on quasipositivity for pretzel surfaces, and Nakamura showed that any oriented link has a braidzel surface as a Seifert surface for the link. In this talk, we introduce the notion of flat braidzel surfaces as a special kind of braidzel surfaces, and show that any oriented link has a flat braidzel surface. Moreover, we also introduce the genus and the crossing number of bands with respect to flat braidzel surfaces, and study their properties.