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Nooreen Khan* (noureen.khan@unt.edu), 7300 University Hills Blvd., Dallas, TX 75007. *On Warping Degree of Virtual Knot Diagram.*

We define and study the Warping Degree $W(D_v)$ for an oriented virtual knot diagram D_v , as an invariant of a virtual knot diagram. The warping degree has been studied for the classical knots [1], our work present its generalization for virtual knots.

Keywords: Virtual Knots, Crossing number, Warping Degree

[1] A. Shimizu, The Warping Degree of a Knot Diagram, *Journal of Knot Theory with Ramifications*, (19,7) (2010) pp. 849—857. (Received September 26, 2012)