

A VARIETY OF VIRTUAL LINK POLYNOMIAL WITH MULTIPLE VARIABLES

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ABSTRACT

The speaker introduced a virtual link polynomial with multiple variables in the workshop "Tohoku Knot Seminar" at Zao in Yamagata in late autumn of 2006. In this talk, we construct a variety of multi-variable polynomial for virtual links by adding the concept of a weight map to the definition of the above polynomial. We also refer to a relationship between the new polynomial and a polynomial invariant defined by the speaker before.

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