

# ON THE JONES POLYNOMIALS OF $6_1$ -LIKE RIBBON KNOTS

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In this talk we give a relation between the first derivative at  $-1$  and the third derivative at  $1$  of the Jones polynomial of  $6_1$ -like ribbon knot, which is a special class of ribbon knots.

**THEOREM.** *Let  $K$  be a  $6_1$ -like ribbon knot. Let  $J_K(t)$  be the Jones polynomial of  $K$ . Then the following holds.*

$$2J_K'''(1) = -9J_K'(-1) - 72.$$

In this talk we give some results obtained from formulas for the first derivative at  $-1$  and the third derivative at  $1$  of the Jones polynomial of ribbon knots of 1-fusion.

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