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The Jones polynomial of almost alternating and Turaev genus one links

A link is almost alternating if it is non-alternating and has a diagram where one crossing change transforms the diagram into an alternating diagram. The Turaev surface of a link diagram is a Heegaard surface on which the link has an alternating projection. It is constructed from a certain cobordism between the all-A and all-B Kauffman states of the diagram. The Turaev genus of a link is the minimum genus of the Turaev surface of any diagram. In this talk, we show that the Jones polynomial of an almost alternating or a Turaev genus one link has either leading or trailing coefficient of plus or minus one.