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On the extended bracket polynomial for virtual knots and links

by

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I will report a result of my student Benjamin O'Connor obtained in a summer program "Knots and Graphs" in 2012:

<https://people.math.osu.edu/chmutov.1/wor-gr-su12/wor-gr.htm>

He found a gap in L.Kauffman's proof of isotopy invariance of the extended bracket polynomial for virtual

knots and links. I will show his counterexample and explain why the proof does not work.

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