1053-57-202   **Sergei Chmutov*** (`chmutov@math.ohio-state.edu`), The Ohio State University, 1680 University Drive, Mansfield, OH 44906. *Kamada–Miyazawa polynomial and ribbon graphs.* Preliminary report.

N. Kamada and Y. Miyazawa introduced a two variable polynomial invariant of virtual links generalizing the Jones polynomial. I will show that this polynomial can be derived from the ribbon graph corresponding to a diagram of the link. The construction involves the Bollobás-Riordan polynomial of a ribbon graph which generalizes the Tutte polynomial. (Received September 03, 2009)

1