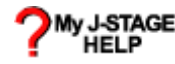


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[\[PDF \(187K\)\]](#) [\[References\]](#)**Edgeworth Expansions of Some Statistics Including the LB-statistic and V-statistic**Hajime Yamato¹⁾, Toshifumi Nomachi²⁾ and Koichiro Toda³⁾1) *Department of Mathematics and Computer Science, Kagoshima University*2) *Miyakonojo College of Technology*3) *Graduate School of Science and Engineering, Kagoshima University***Abstract:** As an estimator of an estimable parameter, Toda and Yamato (2001) introduced a linear combination Y_n of U-statistics which includes V-statistic and LB-statistic.We give the Edgeworth expansions of the standardized Y_n statistic withremainder $o(n^{-1})$ in case that the kernel is not degenerate. We also give theEdgeworth expansions of the studentized Y_n statistic using a jackknife varianceestimator with remainder $o(n^{-1/2})$.**Key words:** Edgeworth expansion, linear combination of U-statistics, V-statistic[\[PDF \(187K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

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