1014-40-605 **Jerry P. King*** (jpk2@lehigh.edu), Department of Mathematics, Christmas-Saucon Hall, 14 East Packer Avenue, Bethlehem, PA 18015. *Summability of Taylor series by methods from Burmann-series expansions.*

A Burmann series is an expansion of one analytic function in terms of another. Burmann series may be used to generate a wide class of summability methods. Here, these methods are used to sum Taylor series to the value of the function defined by the series. A theorem of Okada reduces this problem to that of determining the region on which the sequence of partial sums of the geometric series is summed to the "right value". A general method for determining these regions is presented and examples are given. (Received September 21, 2005)