Jacobi, C. G. J.
On Gauß’s new method for computing approximate values of integrals. (Ueber Gauß neue Methode, die Werthe der Integrale näherungsweise zu finden.) (German) \[\text{ERAM 001.0029cj}\]
J. Reine Angew. Math. 1, 301-308 (1826).

Jacobi begins by recalling Newton’s method for interpolating a function in connection with computing integrals, and mentions that Gauss’s improvement of this method uses a difficult form of induction (which he calls “Kästner’s method”). The elegance of Gauss’s result, Jacobi writes, suggests the existence of a more direct approach, which he then presents.

Reviewer: Franz Lemmermeyer (Jagstzell) (2014)

MSC:

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97N50 Interpolation and approximation (educational aspects)

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