

1145-01-1128 **Robert E. Bradley*** (bradley@adelphi.edu), Department of Mathematics & Computer Science, Adelphi University, Garden City, NY 11530, and **Salvatore J. Petrilli** (petrilli@adelphi.edu), Department of Mathematics & Computer Science, Adelphi University, Garden City, NY 11530. *Servois on Numerical Integration*.

In mid-1810s, the topic of numerical integration was hotly debated in the pages of the *Annales de Gergonne*. Christian Kramp (1760-1826) had published a paper in 1815 describing a novel method for estimating definite integrals, based on the Trapezoid Rule and an *ad hoc* extrapolation technique. This sparked a debate among Kramp, the editor Joseph Gergonne (1771-1859) and Joseph Bérard (1763-1844?). François Joseph Servois (1767-1847) entered the fray in 1817 with his *Mémoire sur les quadratures*, in which he resolved most of the issues under dispute by the other authors. In this talk, we will examine Servois' memoir, which is at turns a showpiece of the calculus of operations, a feat of numerical prowess, and a collection of philosophical observations and opinions, including his forward-looking attitude towards the utility of divergent series. (Received September 19, 2018)