

1054-01-56

Janet L. Beery* (janet_beery@redlands.edu). *Sums of Powers of Integers*.

Fermat's and Pascal's work on sums of powers of integers is relatively well known, while that of Thomas Harriot (c. 1560-1621) and Johann Faulhaber (1580-1635) remains little known. In this presentation, we review the history of sums of integer powers from the Pythagoreans (6th century BCE) through Jakob Bernoulli (1654-1705), focusing on Harriot's and Faulhaber's contributions. (Received August 31, 2009)