1056-11-133   **Badih N. Ghusayni*** (`badih@future-in-tech.net`), Dept. of Math., Faculty of Science-1, Lebanese University, Hadath, Lebanon. *The Value of the Zeta Function at an Odd Argument.*

For over 300 years the values of the Zeta function at odd arguments have remained a mystery. The PSLQ algorithm which is implemented in the Computer Algebra System Maple is considered one of the top ten algorithms of the 20th Century. We employ PSLQ to discover an Euler-type identity for an odd argument. A mathematical proof follows the discovery. (Received July 29, 2009)