1035-44-1556   **Matthew R Rogala*** (`matticmath@gmail.com`), 1033 Danby Rd., Apt. 06-08D, Ithaca, NY 14850. *Parseval-Type Relations for Laplace Transform and their Applications.*

Through use of the Laplace Transform, a number of Parseval-type relations arise. We will derive these identities and then demonstrate their usefulness in evaluating various improper integrals that would normally require higher-level analysis by giving several examples. (Received September 20, 2007)