1078-11-297   **Riad Masri***, Department of Mathematics, Texas A&M University, College Station, TX 77843-3368, and **Sheng-Chi Liu**. *On the average value of the divisor function.*

We will discuss the asymptotic evaluation of a smooth average of the classical divisor function over values of a quadratic polynomial. We will explain how such a result can be used to study the first moment of certain Rankin-Selberg L–functions. This is joint work with Sheng-Chi Liu. (Received December 12, 2011)