1023-03-413   **Reed Solomon*** (`solomon@math.uconn.edu`), University of Connecticut, Storrs, Department of Mathematics, 196 Auditorium Road, Storrs, CT. *Almost everywhere domination.*

A set $A \in 2^{\omega}$ is *almost everywhere (a.e.) dominating* if for almost every $X \in 2^{\omega}$ it is the case that for every function g which is computable from X, there is a function f computable from A such that f dominates g. Recently, Dobrinen and Simpson used this concept (as well as a uniform version called *u.a.e. dominating*) in a study of the regularity properties of the Lebesgue measure on 2^{ω} in reverse mathematics. This talk will be a survey of the work done over the last two years by numerous people on computability theory and reverse mathematics aspects of the notions of a.e. domination and u.a.e. domination. (Received September 20, 2006)