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Brooke M Andersen* (brookemarie76@gmail.com), Framingham State College Math. Dept.,
100 State Street PO Box 9101, Framingham, MA 01701-9101. *Separating complete sets with respect
to strong notions of reducibility.*

Marcia Groszek, Rebecca Weber and Pete Winker defined D-reduction procedures to be Turing reduction procedures that are total on all c.e. oracles. They showed that this is not a transitive notion of reducibility and that it is not implied by wtt-reducibility and does not imply bs-reducibility. They also give necessary and "almost" sufficient conditions that make this reducibility transitive. In this talk, we show that we can separate the complete sets with respect to the transitive notion of D-reducibility from complete sets with respect to other notions of reducibility. (Received July 21, 2008)