1051-13-249   **Bonnie B. Smith*** (`bsmith17@nd.edu`), 255 Hurley Hall, Notre Dame, IN 46556. *The Core of Strongly Stable Ideals.* Preliminary report.

The core of an ideal I is the intersection of all ideals contained in I having the same integral closure as I. The core is an important object in commutative algebra with a close connection to adjoint (multiplier) ideals. I will compute the core of an interesting class of ideals which arises in graph theory. (Received August 25, 2009)