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Owen D Byer* (byer@emu.edu), 1200 Park Road, Harrisonburg, VA 22802, and **Deirdre L Smeltzer** (smeltzed@emu.edu), 1200 Park Road, Harrisonburg, VA 22802. *Applications of Spherical Inversions*. Preliminary report.

In this talk we briefly review inversion of 3-space with respect to a sphere and give examples of results from solid geometry that can be proven using such an inversion. This is a powerful but seemingly seldom-used technique. This talk applies the ideas given in the talk “Comparing Circular and Spherical Inversions.” (Received September 21, 2010)