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Robert Owczarek* (rowczare@unm.edu), 505 Oppenheimer #320, Los Alamos, NM 87544. *On topology, geometry, and condensed matter*. Preliminary report.

There is increasing understanding of the role of topology and geometry in the description of condensed matter systems. I will talk about some applications of topology and geometry in such systems with the main example of superfluid helium. (Received February 13, 2016)