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Lance Edward Miller* (lmiller@math.uconn.edu), University of Connecticut, 196 Auditorium Rd, Storrs, CT, and Eugene Spiegel (spiegel@math.uconn.edu), University of Connecticut, 196 Auditorium Rd, Storrs, CT. *Group Gradings in Incidence Algebras.* Preliminary report.

Given a bounded countable locally finite partially ordered set, we consider the problem of determining which group gradings of an Incidence Algebra over integral domain R are equivalent to good gradings. We demonstrate in particular that for groups possessing no non-identity element of order a unit in R, then any such grading is equivalent to a good grading. We also give an example to show that not all group gradings of incidence algebras are equivalent to good gradings. (Received August 04, 2006)