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**Kosmas Diveris, Marju Purin\*** (purin@stolaf.edu) and **Peter Webb**. *Bounded Derived Category of Incidence Algebras of Posets*. Preliminary report.

This is joint work with Kosmas Diveris and Peter Webb. We study the bounded derived category of incidence algebras of posets. We introduce 'clamping theory'- a technique that allows us to determine Auslander-Reiten quiver components in the derived category by examining embedded intervals in the posets. Using clamping theory we introduce a construction to generate posets that give rise to piecewise hereditary algebras. As an example, we may construct incidence algebras of finite representation type that are derived equivalent to hereditary algebras of wild representation type. (Received August 30, 2016)