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Agnes E. Szendrei* (szendrei@colorado.edu) and **Peter Mayr**. *Algebras from Congruences*. Preliminary report.

Peter Mayr proved that the subpower membership problem for every finite supernilpotent Mal'cev algebra A of finite type is in P. We will discuss a construction that allows us to extend this result to finite Mal'cev algebras A such that for every subdirectly irreducible $B \in HS(A)$ the centralizer of the monolith of B is supernilpotent. (Received January 18, 2017)