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Alan C Adolphson* (adolphs@math.okstate.edu) and **Steven Sperber**. *Composition series for A -hypergeometric D -modules*. Preliminary report.

In recent work, Schulze and Walther have characterized those A -hypergeometric D -modules which are irreducible as D -modules. (The nonconfluent case was done earlier by Gelfand, Kapranov, and Zelevinsky. Recently Beukers gave a simpler proof.) We discuss some ideas related to the problem of finding composition series for A -hypergeometric D -modules. (Received August 30, 2011)