

1096-VH-1026 **Allison Davidson*** (atdavid@purdue.edu), **Hosam Mahmoud** and **Mark Daniel Ward**.
Characterization of Tenable Pólya Urns.

We characterize tenable Pólya urn schemes via a decomposition of their replacement matrices into small submatrices with certain conditions on the determinants. The characterization also involves an interplay between the submatrices and the initial conditions, as well as certain divisibility conditions. (Received September 12, 2013)