1135-83-1637   **Paul T. Allen*** (`ptallen@lclark.edu`), **James Isenberg**, **John M. Lee** and **Iva Stavrov Allen**. *Asymptotic gluing of shear-free hyperboloidal initial data.* Preliminary report.

In order that a spacetime development admit a regular conformal boundary at future null infinity, hyperboloidal solutions to the Einstein constraint equations must satisfy satisfy the shear-free condition. Working in the CMC setting, we present a construction for gluing such data along the ideal boundary at infinity. (Received September 24, 2017)