1041-51-294   **Robert Connelly*** (`connelly@math.cornell.edu`), Department of Mathematics, Malott Hall, Cornell University, Ithaca, NY 14853. *Global Rigidity.* Preliminary report.

Two configurations of a framework $G(p)$ and $G(q)$ are considered equivalent if the corresponding edges of the frameworks have the same length. The framework $G(p)$ is called *globally rigid in* $\mathbb{R}^d$ if every other equivalent framework $G(q)$ is such that the configuration p is congruent to the configuration q in R^d. I will discuss some recent results characterizing global rigidity when the configuration p is generic. (Received August 12, 2008)