1025-57-25   **Carmen L. Caprau*** (`ccaprau@math.uiowa.edu`), 14 MacLean Hall, Department of
Mathematics, The University of Iowa, Iowa City, IA 52242. *An sl(2) tangle homology and seamed
cobordisms.*

We construct a Bar-Natan's like tangle homology theory with polynomial coefficients, which is functorial under tangle cobordisms. This theory contains, as a particular case, the Khovanov Homology theory and Lee's variant of it. Therefore, our work naturally resolves the sign ambiguity in functoriality of the Khovanov Homology theory. (Received December 26, 2006)