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**Daniel Pollack\*** ([pollack@math.washington.edu](mailto:pollack@math.washington.edu)), University of Washington, Mathematics Department, Box 354350, Seattle, WA 98195-4350. *Constructing solutions to the Einstein constraint equations.*

We report on recent progress concerning the construction of solutions to the Einstein constraint equations, both in the vacuum setting and for various matter models of current interest to physics. (Received February 16, 2005)