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Terrence M Adams* (tma4321@gmail.com) and **Andrew B Nobel**. *Slow weak mixing*.

We give a procedure for combining two ergodic measure preserving transformations, defined on the same Lebesgue probability space. Given any rigid ergodic transformation and corresponding rigidity sequence, we use this procedure to construct a weak mixing transformation with the same rigidity sequence. (Received January 23, 2014)