1113-47-230   **claudio h morales*** (`morales@math.uah.edu`), Department of Mathematics, University of Alabama in Huntsville, Huntsville, AL 35899. *Monotone Operator Theory and the solution of a Hammerstein Equation.* Preliminary report.

Let H be a Hilbert space, and let A from H into H be a monotone operator. We will present several results for monotone operators, including the solution of a Hammerstein equation under some monotonicity assumptions on the operators. Also some related results will be discussed, where the so-called coercive condition will be assumed. (Received August 23, 2015)