1041-46-257   **Keri Kornelson*** (`kkornelson@math.ou.edu`), **Palle Jorgensen** and **Karen Shuman**. *Moment matrices and integral operators, with application to IFS equilibrium measures.*

Given a Borel measure with finite moments, one can describe an infinite moment matrix. We discuss the operator properties a moment matrix might have, and apply the results to determine moment matrices for equilibrium measures of iterated function systems. (Received August 12, 2008)