1015-47-58   **Mohammad R. Khadivi*** (`mkhadivi@hotmail.com`), M.R.Khadivi, Dept. of Math., 1400 Lynch Street, Jackson, MS 39217. *Range Inclusion of operator pairs and their limits.*

This paper is about the latest work on range inclusion of operator pairs,their limiting behavior, and the role they play in solving some operator equations. We use a theorem of R.G.Douglas and spectral theory to achieve the goal. Also a few conjectures related to the subject will be discussed. (Received January 21, 2006)