1047-30-176   **Pekka J. Pankka*** (`pankka@umich.edu`), University of Michigan, Department of Mathematics, 530 Church Street, Ann Arbor, MI 48109-1043. *Finite distortion, value distribution, and cohomology.*

The Mattila-Rickman equidistribution theorem yields that geometrically controlled branched covering mappings (quasiregular mappings) into closed manifolds must visit every set as often as their relative size indicates. We will discuss an equidistribution theorem of Mattila-Rickman type in the context of more general branched covering mappings (mappings of finite distortion). The result is one of the key ingredients in a proof of a cohomological boundedness theorem of Bonk-Heinonen type for closed manifolds admitting entire mappings of bounded mean distortion. (Received January 27, 2009)