1023-11-1289   **Shuichiro Takeda*** (`shtakeda@math.ucsd.edu`), Mathematics Departmnet, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0112. *On the global non-vanishing of theta lifts from even orthogonal groups.*

We will discuss some non-vanishing problems of theta lifts from even orthogonal groups. In particular, we will suggest a conjecture on the global non-vanishing which can be considered as a global analogue of Kudla's conjecture on the local first occurrence in which the non-vanishing is explained in terms of the disconnectedness of the orthogonal group, and show that the conjecture is consistent with various known non-vanishing results. (Received September 25, 2006)