1017-55-78 **Nikolai A Krylov*** (nkrylov@siena.edu), Siena College, School of Science, 515 Loudon Road, Loudonville, NY 12211. *Pseudo-isotopy classes of diffeomorphisms of the unknotted pairs* $(S^{n+2},\ S^n)$ *and* $(S^{2p+2},\ S^p \times S^p)$.

We consider here two pairs: the standard unknotted n-sphere in S^{n+2}, and the product of two p-spheres trivially embedded in S^{2p+2}, and study orientation preserving diffeomorphisms of these pairs. The pseudo-isotopy classes of such diffeomorphisms form subgroups of the mapping class groups of S^n and $S^p \times S^p$ respectively and we determine the algebraic structure of such subgroups when $n > 4$ and $p > 1$. (Received February 13, 2006)