

## Abstract

Let  $H_{n+1}$  denote the  $n+1$ -dimensional (real) hyperbolic space and let  $S_n$  denote the conformal boundary of the hyperbolic space.  $M(n)$  denotes the group of conformal diffeomorphisms of  $S_n$  and  $Mo(n)$  be defined as identity component which consists of all orientation preserving elements in  $M(n)$ . Conjugacy classes of isometrics in  $Mo(n)$  depends on the conjugacy of  $T$  and  $T^{-1}$  in  $Mo(n)$ . For an element  $T \in M(n)$ ,  $T$  and  $T^{-1}$  are conjugate in  $M(n)$ , but they may not be conjugate in  $Mo(n)$ .  $T$  is called real if  $T$  and  $T^{-1}$  are conjugate to each other in  $Mo(n)$ . Let  $T$  be an element in  $Mo(n)$ , so to  $T$  there is an associated element  $T_0$  in  $SO(n + 1)$ . If the complex conjugate eigenvalues of  $T_0$  are given by  $e^{i\theta_j} ; e^{-i\theta_j}$ ,  $0 < \theta_j < \pi$ ,  $j = 1; \dots ; k$ , then  $\theta_1; \dots ; \theta_k$  are called the rotation angles of  $T$ .  $T$  is called a regular element if the rotation angles of  $T$  are distinct from each-other. After classification of the real elements in  $Mo(n)$  we have parametrized the conjugacy classes of regular elements in  $Mo(n)$ . In the parametrization, when  $T$  is not conjugate to  $T^{-1}$ , then enlarge the group and consider the conjugacy class of  $T$  in  $M(n)$ . So each such conjugacy class can be induced with a fibration structure.