A Space of Harmonic Maps from the Sphere into the Complex Projective Space
Hiroko Kawabe

Abstract. Guest-Ohnita and Crawford have shown the path-connectedness of the space of harmonic maps from $S^2$ to $\mathbb{C}P^n$ of a fixed degree and energy. It is well-known that the $\partial$ transform is defined on this space. In this paper, we will show that the space is decomposed into mutually disjoint connected subspaces on which $\partial$ is homeomorphic.