

SCHWARZ-PICK TYPE THEOREMS ON PLURIHARMONIC MAPPINGS AND THEIR APPLICATIONS

In this presentation, the Schwarz-Pick type theorems will be established on pluriharmonic mappings in polydisc \mathbb{D}^n and some applications will be given. The obtained results are the generalization of the corresponding results of [Co, R].

References

- [Co] F. Colonna, The Bloch constant of bounded harmonic mappings, *Indiana Univ. Math. J.*, **38**(1989), 829–840.
- [R] W. Rudin, Function theory in polydiscs, W. A. Benjamin, Inc., New York-Amsterdam, 1969.