

# Results on slice rigidity property for holomorphic functions (based on ongoing work with F. Bracci and Ł. Kosiński)

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Talk given at Seminar on Complex Analysis,  
meeting 2281, October 26, 2020

The following problem is presented and some partial results in that direction are discussed: Assume that  $F : D \rightarrow G$  is holomorphic that maps a class  $\mathcal{F}$  of holomorphic geodesics in  $D$  isometrically onto holomorphic geodesics in  $G$ . Under which assumptions on  $\mathcal{F}$ ,  $D$  and  $G$  one may conclude that  $F$  is a biholomorphism? I will present some results of the ongoing work that is not finished yet.