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On the set of complex points of a 2-sphere

NIKOLAY SHCHERBINA

Abstract. Let G be a strictly pseudoconvex domain in $\mathbb{C}^2$ with C^∞-smooth boundary ∂G. Let S be a 2-dimensional sphere embedded into ∂G. Denote by $\mathcal{E}$ the set of all complex points on S. We study how the structure of the set $\mathcal{E}$ depends on the smoothness of S.

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