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**Spaces of holomorphic maps between complex projective spaces of degree one.** (English)

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Summary: For an integer  $d \geq 0$ , let  $\text{Hol}_d(\mathbb{C}P^k, \mathbb{C}P^n)$  denote the space consisting of all holomorphic maps  $f : \mathbb{C}P^k \rightarrow \mathbb{C}P^n$  of degree  $d$ . We study the homogeneous space structure of  $\text{Hol}_d(\mathbb{C}P^k, \mathbb{C}P^n)$  for the case  $d = 1$ . In particular we explicitly determine its homotopy type.

**MSC:**

55P10 Homotopy equivalences in algebraic topology

55P35 Loop spaces

55P15 Classification of homotopy type

Cited in 2 Documents

**Keywords:**

mapping space; homotopy type; holomorphic map

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**References:**

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