

## HOLOMORPHIC VECTOR FIELDS WITH A BARYCENTRIC CONDITION

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**Abstract:** We study the  $p$ -tuples of holomorphic vector fields  $(X_1, X_2, \dots, X_p)$  satisfying the barycentric property  $\sum_k \exp tX_k = p \cdot \text{id}$ , where  $\exp tX$  denotes the flow of  $X$ .

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**Key words:** flow, vector fields, barycentric property, differential equation.