

*Complex and Kähler structures on compact homogeneous manifolds –
their existence, classification and moduli problems*

The existence of some complex geometrical structures on a compact manifold such as complex structures, Kähler (pseudo-Kähler) structures or Kähler-Einstein structures often impose certain restrictions on its underlying topological or differentiable manifold. We study such restrictions first on compact homogeneous manifolds, and then on compact manifolds in general.

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