

3- (α, δ) -Sasaki Manifolds and Strongly Positive Curvature

Ilka Agricola

Marburg

We consider 3- (α, δ) -Sasaki manifolds, generalizing the classic 3-Sasaki case. We show how these are closely related to various types of quaternionic Kähler orbifolds via connections with skew-torsion. Making use of this relation we discuss curvature operators and show that in dimension 7 many such manifolds have strongly positive curvature. Joint work with Giulia Dileo (Bari) and Leander Stecker (Marburg / Lisbon).