Riemannian twistor theory

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I shall present an anthology of results concerning the twistor spaces of S^4 and S^6. This will include joint work with (i) John Armstrong on cubic surfaces in CP^3, (ii) Lev Borisov and Jeff Viaclovsky on orthogonal complex structures, (iii) Graziano Gentili and Caterina Stoppato on quaternionic polynomials. Many of the constructions will be familiar to Claude.

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