

GRASSMANNIANS, QUADRICS AND THE BOGOMOLNY EQUATIONS

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Abstract: We describe an example of a minitwistor correspondence in higher dimension, between solutions to the generalized Bogomolny equations on some Grassmannians, and holomorphic vector bundles on some associated quadrics which are trivial over a family of curves in the quadric. It appears to be a new example, though the essential ideas were already present in low dimension. This is a joint work with Roger Bielawski and David Calderbank.