

# Metric asymptotics of hyperKähler moduli spaces

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In four dimensions, there are well-known classes of complete hyperKähler manifolds with different types of asymptotic behaviour, known by the acronyms ALE, ALF, ALG,... In higher dimensions, examples such as the moduli space of  $SU(2)$  monopoles of charge  $k$  display a very complicated asymptotic behaviour, with different asymptotic regions labelled by the different partitions of  $k$ . I shall report on recent progress in the construction of natural metric compactifications of such moduli spaces which is aimed at giving a precise understanding of the asymptotic behaviour of the monopole metrics.

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