

Turkish Journal of Mathematics

Turkish Journal

The Multi-monopole Equations for Kähler Surfaces

of

James A. BRYAN, Richard WENTWORTH

Mathematics

Abstract: The purpose of this paper is to introduce a natural generalization of the Seiberg-Witten equations having more than one Spinor field ("monopole") and to study the moduli space of solutions in the case of a Kähler surface. We find an explicit algebro-geometric construction of the moduli space. In the course of our construction, we prove an existence and uniqueness result for a generalization of the Kazdan-Warner equation.

 [Keywords](#)
 [Authors](#)

Turk. J. Math., **20**, (1996), 119-128.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.20, iss.1.](#)



math@tubitak.gov.tr

[Scientific Journals Home
Page](#)