

Abstract: Strongly-indefinite problems are usually faced by using Linking type theorems. Inspired by the work of Kryszewski and Szulkin, we present a generalized Linking theorem that allows dealing with strongly-indefinite problems with sign-changing nonlinearities. As an application, we provide the existence of solutions for a nonlinear singular Schrödinger equation and for a correlated nonlinear curl-curl problem. This is a joint work with B. Bieganowski.