

# Seiberg-Witten theory and intersection form

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In the seminar we describe Seiberg-Witten theory, in particular we focus on its connection with the intersection form. In the first part we summarize some of the gauge theory. Next, spin geometry, Clifford algebras and spin representations are discussed. We introduce spin connection, Dirac operator, Seiberg-Witten moduli space, equations and invariants.