

Chern-Simons theory in recent years*Saeid Jafari* (Univ. Copenhagen)

THU/P3 10:30–10:50

In 1989, Edward Witten [1] established the relation between Chern-Simons theory and the theory of knots and link invariants. Since then, many research papers appeared which deal with connecting quantum field theory and topology in 3 dimensions. In this talk, I give a brief review of some aspects of the development of Chern-Simons theory in recent years.

- [1] E. WITTEN: Quantum field theory and the Jones polynomials, *Comm. Math. Phys.*, **121**/3 (1989), 351–399.