

MODULI SPACES OF SMOOTH MANIFOLDS

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I will discuss topological aspects of the space of all smooth d -dimensional submanifolds of euclidian spaces with special emphasis on dimensions $d = 1$ and $d = 2$, where there are strong relations with tangles-and ribbon categories and with the moduli space of Riemann surfaces. I will also say something about the compactified Riemann moduli space. The lecture will present a number of open questions.