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Super-manifolds, Super-symmetry and Super-branes

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In this lecture we present and compare different notions of super-manifold and of super-symmetry (Berezin, Leites, de Witt, Salam, Strathdee), and show the equivalence of categories mostly used by mathematicians and physicists. Furthermore, we discuss the relationship between super-symmetry and Calabi-Yau manifolds, and between superbranes and special Lagrangian submanifolds.