

Classical and quantum spin liquids

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These two pedagogical lectures will give a conceptual introduction to the physics of spin liquids. The first lecture will give a short introduction to the field of frustrated magnetism and then present the notion and theoretical description of classical spin liquids in the context of various examples. The second lecture will then turn to the zoo of possible quantum spin liquids and provide some guidance to the vastly unconventional behavior these systems can exhibit. Relatively simple and pedagogical examples will be introduced and their possible realization in real-world materials discussed.

