

Locally conformal symplectic structures in contact geometry

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Locally conformal symplectic manifolds generalize symplectic ones. They appear naturally in contact geometry. One can, for instance, associate such a manifold to any contactomorphism. When present on the leaves of a codimension one foliation, they induce a contact structure on the ambient space. They also obey to an h-principle on closed manifolds. Whether they satisfy a dichotomy of the type tight / overtwisted is open. The talk will be devoted to introducing those structures and discussing some of their connections to contact geometry.