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Stein fillings of contact 3 manifolds.

The purpose of this talk is to present results on classification of Stein fillings of contact 3-manifolds. Some contact 3-manifolds in this family can be obtained by Legendrian surgeries on (S^3, ξ_{std}) along certain Legendrian 2-bridge knots. Results to be presented also classify Stein fillings, up to symplectic deformation, of an infinite family of contact 3-manifolds which can be obtained by Legendrian surgeries on (S^3, ξ_{std}) along certain Legendrian twist knots. As a corollary, we obtain a classification of Stein fillings of an infinite family of contact hyperbolic 3-manifolds up to symplectic deformation. Joint work with Youlin Li (Received January 27, 2014)