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Special Lagrangian submanifolds in the cotangent bundle of the sphere

The cotangent bundle of the sphere T^*S^n has a Ricci-flat Kähler metric discovered by Stenzel. The case $n = 1$ is the Eguchi–Hanson metric and the case $n = 2$ was found earlier by Candelas and de la Ossa. In this talk I will present examples of cohomogeneity one special Lagrangian 3-folds in the case $n = 3$. Some of these examples can be generalized for any dimension of the sphere. We will also address the asymptotic behaviour of these submanifolds and their topology. This is work in progress with M. Min-Oo.