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Thin instantons in G_2-manifolds and Seiberg-Witten invariants

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For two nearby disjoint coassociative submanifolds C and C' in a G_2-manifold, we construct thin instantons with boundaries lying on C and C' from regular J-holomorphic curves in C. We explain their relationship with the Seiberg-Witten invariants for C.

Comments:	67 pages, expanded details and improved exposition, submitted version. arXiv admin note: substantial text overlap with arXiv:math/0401419
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