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Zero levels of momentum mappings for cotangent actions.

Spacetime symmetries (College Park, MD, 1988).

Nuclear Phys. B Proc. Suppl. **6** (1989), 384–389.

Summary: “We show that zero level sets of momentum mappings for cotangent actions are coisotropic, even when the momentum mapping is singular. The proof applies to both the finite- and infinite-dimensional cases. We use this result to show that vacuum Yang-Mills theory is indeed first class in the sense of Dirac.”

{For the entire collection see [MR1125995 \(92d:81011\)](#)}

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