On the volume form on the moduli space of surfaces with boundary.

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Given a compact, orientable surface and a Lie group, there is a natural moduli space. When the surface is closed, a formula of Witten relates the volume form on the moduli space with the Atiyah-Bott-Goldman symplectic form. I discuss the case of surfaces with boundary and I give explicit formulas for some particular Lie groups. This is joint work with M. Heusener.