

Preliminaries

The Bourgeois construction

Let (M, ξ) be a contact manifold that is supported by an open book. Then, according to Bourgeois [Bou02] we can find a contact structure on $M \times T^2$. We follow the explanation bei Geiges [Gei08].

References

- [Bou02] Frédéric Bourgeois. Odd dimensional tori are contact manifolds. *International Mathematics Research Notices*, 2002(30):1571, 2002.
- [Gei08] Hansjörg Geiges. *An Introduction to Contact Topology*. Cambridge University Press, March 2008.