

Errata

Sheaves and D-modules on Lorentzian manifolds

The proof of [JS16, Pro 1.12] actually proves the following result, which should be substituted to the original statement.

Proposition 0.1. *Let (M, γ_M) and (N, γ_N) be two causal manifolds and let $f: M \rightarrow N$ be a morphism of manifolds. Then, $Tf(\text{cl}_{\text{pw}}(\gamma_M)) \subset \text{cl}_{\text{pw}}(\gamma_N)$ if and only if $\Lambda_f \overset{a}{\circ} \lambda_N \subset \lambda_M$. These conditions imply that f is causal and are satisfied when f is strictly causal or when f is causal and $\text{cl}_{\text{pw}}(\gamma_N) = \overline{\gamma_N}$.*

Since time functions are \mathbb{R} -valued, this has no consequences on the rest of the paper, with the exception of Corollary 2.10 in which the maps should be strictly causal.

References

- [JS16] Benoît Jubin and Pierre Schapira, *Sheaves and D-modules on Lorentzian manifolds*, Letters in Mathematical Physics **106** (2016), 607-648, available at [arXiv:1510.0149](https://arxiv.org/abs/1510.0149).