

Adapted metrics for codimension one singular hyperbolic flows

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For a partially hyperbolic splitting $T_\Gamma M = E \oplus F$ of Γ , a C^1 vector field X on a m -manifold, we show the existence of adapted metrics for singular hyperbolic set Γ for C^1 vector fields if Γ has a partially hyperbolic splitting $T_\Gamma M = E \oplus F$ where F is volume expanding, E is uniformly contracted and a one-dimensional subspace.

References

- [1] COELHO V., SALGADO, L. S., *Adapted metrics for codimension one singular hyperbolic flows*, To appear at Springer Proceedings in Mathematics & Statistics, 2018.