

# Well-Posedness of families of Riemann solutions of systems of diffusive conservation laws

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## Resumo/Abstract:

We are interested in studying the continuity of Riemann's solutions when there are variations of data and flows, this is, continuity of Cauchy-Hadamard. Variations of the flows can be caused by parameter variations such as viscosities. These continuities are not obvious to interpret in the case of the non-identity viscous matrix, because the planes containing the leaves of the surface of transitional shocks project non-generically [3]. For this, we use the method developed in [1, 2] and [3] to find the subdivision in  $L$ - and  $R$ -Regions, and show that the Riemann's solutions vary  $L_1$ -locally continuously with  $L$  and  $R$ .

## References

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