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How much heat can be lost through the boundary?

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In this talk we discuss the problem of quantifying the amount of heat lost through the boundary for the linear diffusion in a solid body under general boundary conditions. We will discuss the case of an exterior domain and analyse the main differences with respect to the bounded domain case. The results depend very strongly on the dimension.

This is a joint work with J. Domínguez de Tena (UCM).

References

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