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MADALGO seminar by Hamish Carr, University College Dublin

Applications & Questions in Topological Visualization

Abstract:

Computational topology is attractive for visualization tasks because it provides abstractions of scalar fields that can be exploited either directly or indirectly to extract information and knowledge from underlying data sets. The first part of this talk will provide a brief survey of the applications reported to date, while the second part will focus on unresolved questions relating to adaptive meshing, higher-order interpolation, and applications to multi-variate data.