Eulerian tour algorithms for data visualization and the `PairViz` package

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`PairViz` is an R package that produces orderings of statistical objects for visualization purposes. We abstract the ordering problem to one of constructing edge-traversals of (possibly weighted) graphs. `PairViz` implements various edge traversal algorithms which are based on Eulerian tours and Hamiltonian decompositions. We describe these algorithms, their `PairViz` implementation and discuss their properties and performance. We illustrate their application to various visualization problems.

References

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