Movie Remakes



Graph Drawing Contest 2021 · David Ammer · Thorsten Korpitsch · Simon Pointner



Legend

The vertical axis lists all orginal movies, the horizontal axis the year in which the movies were released. Two consecutive movies are connected with a gray bar. Each colored tree represents all movies made by the same director.

Approach

Movie order is optimized with a meta heuristic approach, in detail simulated annealing. The cost is defined as the divergence of movies, of the same director, from their centroid. This will optimally result in a minimum number of crossings between movies directed by the same director. The original graph is rendered with D3, while further adjustments are performed using Inkscape.

Acknowledgements

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