

Delaunay Triangulation

Minimum Weight Triangulation

- Hardness

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❖ [W. Mulzer & G. Rote, 2006] MWT is NP-Hard Proved by a reduction that PLANAR-1-IN-3-SAT ≤_p MWT ❖ TTBOMK, it's not known yet whether MWT is in NP, or, equivalently, whether MWT is NP-complete //comparison between radical sums Therefore, most authors have concentrated on approximating MWT Computational Geometry, Tsinghua University