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Edge-Intersection Graphs of Grid Paths - the Bend Number

In 2007, Golumbic, Lipshteyn and Stern introduced *edge-intersection graphs of grid paths*, EGP graphs for short. These can be viewed as intersection graphs of systems of intervals in the plane grid. This talk introduces EGP graphs, an associated parameter called the *bend number*, its interrelations with the well-known interval number and track number, and a lot of open questions.