Contribution ID: **14**   Type: **not specified**

A model for pollution on Network

Tuesday, 23 April 2024 10:50 (30 minutes)

We study the joint determination of optimal investment and optimal depollution in a spatiotemporal framework where pollution is transboundary and spatial component is described by a network structure. Pollution is controlled at a global level by a central planner. The problem is solved explicitly and the optimal investment and depollution are found. In conclusione, some investigations on the impact of heterogeneity on the optimal path are performed.

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