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Nonparametric Production Technologies with Weakly Disposable Inputs

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Highlights

- We consider production technologies exhibiting weak input disposability
- The known Shephard technology with weakly disposable inputs is not convex
- The use of the Shephard technology introduces bias in measuring input congestion
- The new convex model corrects the bias introduced by the Shephard technology
- The new approach is suitable for modelling technologies with closely related inputs

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