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Abstract

This paper develops a theoretical background of the inverse DEA with pollution generating technology that is capable of dealing with undesirable outputs. Interaction between input, desirable output, undesirable output and environmental efficiency is investigated for industrial sector of Iranian provinces. Five scenarios are designed to perform this aim and construct a gradual planning scheme for short to long run CO₂ reduction. The following results are found. There exit a high potential of saving capital in short and mid

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