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in both additive and multiplicative forms within an input output framework the concept of decomposition of the various types of multipliers is introduced and explored further in chapter 11 as applied to social accounting matrices same the goal of the present paper is to review the main results of index number theory and discuss its connection to decomposition analyses to present a decision tree that allows users to choose a decomposition method that meets desired properties decomposition analysis there are different methods the IEA uses the LMDI logarithmic mean Divisia index can be applied to specific subsectors or end uses e.g. space cooling cars to estimate the energy savings from efficiency in this chapter the basic knowledge of the energy decomposition analysis (EDA) method is introduced the fundamental methodology extensions and applications of the generalized Kohn-Sham EDA method (GKS-EDA) are presented structural decomposition analysis can be defined as a method of distinguishing major shifts within an economy by means of comparative static changes in key sets of parameters

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