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this special issue covers symmetry and asymmetry phenomena occurring in real life problems we invited authors to submit their theoretical or experimental research presenting engineering and economic problem solution models dealing with the symmetry or asymmetry of different types of information the issue gained interest in the research community and received many submissions after rigorous scientific evaluation by editors and reviewers nine papers were accepted and published the authors proposed different madm and modm solution models as integrated tools to find a balance between the components of sustainable global development to find a symmetry axis concerning goals risks and constraints to cope with the complicated problems most approaches suggested decision models under uncertainty combining the usual decision making methods with interval valued fuzzy or rough sets theory also z numbers the application fields of the proposed models involved both problems of technological sciences and social sciences the papers cover three essential areas engineering economy and management we hope that a summary of the special issue as provided here will encourage a detailed analysis of the papers included in the printed edition

this book includes the review guidelines for the ncees held fundamental of engineering fe with concentration in civil engineering it has over 1000 solved problems including 2 full length sample tests and answer the book covers all aspects of the tests such as ethics mathematics economics computational tools fluid mechanics statics mechanics of materials surveying all areas of civil engineering and so on

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