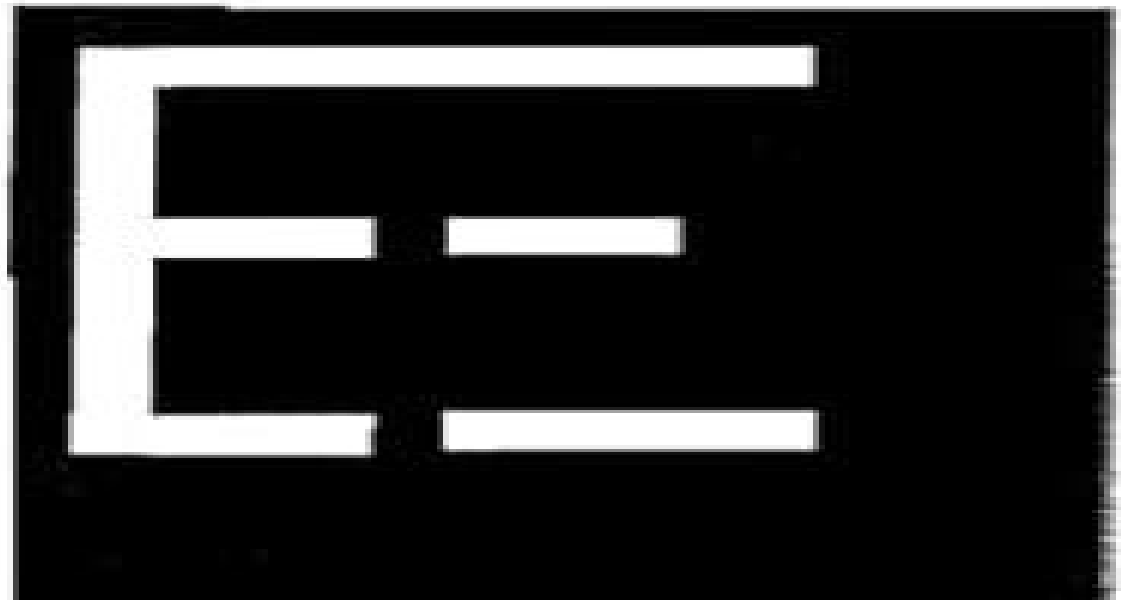


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requirement Uncertainty and variability are two issues which render optimal decision making difficult Optimization under uncertainty would become increasingly important if one is to get the best out of a system plagued by uncertain components These issues have thrown up a large number of challenging optimization problems which need to be resolved with a set of existing and newly evolving optimization tools Optimization theory had evolved initially to provide generic solutions to optimization problems in linear nonlinear unconstrained and constrained domains These optimization problems were often called mathematical programming problems with two distinctive classifications namely linear and nonlinear programming problems

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