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Michael T. Heath, published by McGraw-Hill, New York, 2002. Guide To Scientific Computing, Second Edition by Peter R. Turner, published by

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solution vector x is quite sensitive; it is sometimes close to $[0,1]$ and sometimes close to $[1,0]$! The solution to a (nondegenerate) linear programming problem must occur at a vertex of the feasible set. In our unperturbed problem there are three vertices: $[0,1]$, $[1,0]$, and $[0,0]$. Since the gradient of cTx is almost parallel to the

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