

Interval linear programming means  $\min_{x \in M} c^T x$ , where  $M = \{x \in \mathbb{R}^n; Ax = b, x \geq 0, A \in \mathbb{R}^{m \times n}, b \in \mathbb{R}^m\}$ ,  $A \in \mathbb{R}^{m \times n}$ ,  $b \in \mathbb{R}^m$ ,  $c \in \mathbb{R}^n$ ,  $A, b, c$  are intervals. The first part of the master thesis introduces a new approach to interval linear programming, defining always bounded set of feasible solutions of a linear programming problem and studying its properties. The main result of this part demonstrates that the modified set of feasible solutions varies "continuously" with the entries in the matrix  $A$  and in the vector  $b$ . The second part studies the solution function continuity for an interval linear programming problem.