

## Soupis publikovaných prací

tříděný podle roku, typu dokumentu a názvu

### 2012

#### 192.Rohn, Jiří

A general method for enclosing solutions of interval linear equations.

*Optimization Letters*. Roč. 6, č. 4 (2012), s. 709-717. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

[DOI: 10.1007/s11590-011-0296-0](https://doi.org/10.1007/s11590-011-0296-0)

#### 191.Rohn, Jiří

A note on generating P-matrices.

*Optimization Letters*. Roč. 6, č. 3 (2012), s. 601-603. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

[DOI: 10.1007/s11590-010-0273-z](https://doi.org/10.1007/s11590-010-0273-z)

#### 190.Farhadsefat, R. - Lotfi, T. - Rohn, Jiří

A note on regularity and positive definiteness of interval matrices.

*Central European Journal of Mathematics*. Roč. 10, č. 1 (2012), s. 322-328. ISSN 1895-1074

Impakt faktor: 0.581, rok: 2010

[DOI: 10.2478/s11533-011-0118-8](https://doi.org/10.2478/s11533-011-0118-8)

#### 189.Rohn, Jiří

A theorem of the alternatives for the equation  $|Ax| - |B||x| = b$ .

*Optimization Letters*. Roč. 6, č. 3 (2012), s. 585-591. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

[DOI: 10.1007/s11590-011-0284-4](https://doi.org/10.1007/s11590-011-0284-4)

#### 188.Rohn, Jiří

An algorithm for computing all solutions of an absolute value equation.

*Optimization Letters*. Roč. 6, č. 5 (2012), s. 851-856. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

[DOI: 10.1007/s11590-011-0305-3](https://doi.org/10.1007/s11590-011-0305-3)

#### 187.Rohn, Jiří

On Rump's characterization of P-matrices.

*Optimization Letters*. Roč. 6, č. 5 (2012), s. 1017-1020. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

[DOI: 10.1007/s11590-011-0318-y](https://doi.org/10.1007/s11590-011-0318-y)

#### 186.Rohn, Jiří

A New Characterization of the Maximum Cut in a Graph. Dedicated to the memory of the Tibetan meditation master Geshe1 Langri Tangpa (1054-1123), author of the "Eight verses for training the mind".

Prague : ICS AS CR, 2012. 3 s. - (Technical Report, V-1155)

**185. Hooshyarbakhsh, V. - Farhadsefat, R. - Rohn, Jiří**

A not-a-priori-exponential necessary and sufficient condition for regularity of interval matrices.

Prague : ICS AS CR, 2012. 3 s. - (Technical Report, V-1147)

**184. Rohn, Jiří**

An Algorithm for Solving the P-Matrix Problem.

Prague : ICS AS CR, 2012. 9 s. - (Technical Report, V-1150)

**183. Rohn, Jiří**

An Algorithm for Solving the System  $-e \leq Ax \leq e; \|x\|_1 \leq 1$ .

Prague : ICS AS CR, 2012. 8 s. - (Technical Report, V-1149)

**182. Hooshyarbakhsh, V. - Lotfi, T. - Farhadsefat, R. - Rohn, Jiří**

An Iterative Method for Solving Absolute Value Equations.

Prague : ICS AS CR, 2012. 7 s. - (Technical Report, V-1145)

**181. Rohn, Jiří**

Calculus Digest.

Prague : ICS AS CR, 2012. 26 s. - (Technical Report, V-1154)

**180. Rohn, Jiří**

Compact Form of the Hansen-Blik-Rohn Enclosure.

Prague : ICS AS CR, 2012. 8 s. - (Technical Report, V-1157)

**179. Rohn, Jiří**

Theoretical Characterization of Enclosures.

Prague : ICS AS CR, 2012. 4 s. - (Technical Report, V-1158)

**178. Rohn, Jiří**

Verification of linear (in)dependence in finite precision arithmetic.

Prague : ICS AS CR, 2012. 8 s. - (Technical Report, V-1156)

**177. Rohn, Jiří**

Verified Eigendecomposition.

Prague : ICS AS CR, 2012. 5 s. - (Technical Report, V-1143)

**176. Rohn, Jiří**

Verified Singular Value Decomposition.

Prague : ICS AS CR, 2012. 4 s. - (Technical Report, V-1144)

**175. Rohn, Jiří**

(Z; z)-Solutions.

Prague : ICS AS CR, 2012. 3 s. - (Technical Report, V-1159)

## 2011

### 174.Rohn, Jiří

An algorithm for computing the hull of the solution set of interval linear equations.  
*Linear Algebra and Its Applications*. Roč. 435, č. 2 (2011), s. 193-201. ISSN 0024-3795  
Impakt faktor: 1.005, rok: 2010  
[DOI: 10.1016/j.laa.2011.02.021](https://doi.org/10.1016/j.laa.2011.02.021)

### 173.Rohn, Jiří

Explicit Inverse of an Interval Matrix with Unit Midpoint.  
*ELA Electronic Linear Algebra*. Roč. 22, - (2011), s. 138-150. ISSN 1081-3810  
Impakt faktor: 0.808, rok: 2010  
[http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol22\\_pp138-150.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol22_pp138-150.pdf)

### 172.Rohn, Jiří - Farhadsefat, R.

Inverse Interval Matrix: A Survey.  
*ELA Electronic Linear Algebra*. Roč. 22, - (2011), s. 704-719. ISSN 1081-3810  
Impakt faktor: 0.808, rok: 2010  
[http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol22\\_pp704-719.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol22_pp704-719.pdf)

### 171.Farhadsefat, R. - Lotfi, T. - Rohn, Jiří

A New Sufficient Condition for Regularity of Interval Matrices.  
Prague : ICS AS CR, 2011. 9 s. - (Technical Report, V-1116)

### 170.Rohn, Jiří

A Perturbation Theorem for Linear Equations.  
Prague : ICS AS CR, 2011. 2 s. - (Technical Report, V-1103)

### 169.Rohn, Jiří

An Algorithm for Solving Basic Interval Linear Problems.  
Prague : ICS AS CR, 2011. 6 s. - (Technical Report, V-1105)

### 168.Rohn, Jiří

An Algorithm for Solving the Absolute Value Inequality.  
Prague : ICS AS CR, 2011. 7 s. - (Technical Report, V-1107)

### 167.Rohn, Jiří

Disproving the P-Matrix Property.  
Prague : ICS AS CR, 2011. 7 s. - (Technical Report, V-1111)

### 166.Rohn, Jiří

Every Two Square Matrices of the Same Size Have Some Solution in Common.  
Prague : ICS AS CR, 2011. 4 s. - (Technical Report, V-1106)

### 165.Rohn, Jiří

INTLAB Primer.  
Prague : ICS AS CR, 2011. 9 s. - (Technical Report, V-1117)

**164. Farhadsefat, R. - Rohn, Jiří - Lotfi, T.**

Norms of Interval Matrices.

Prague : ICS AS CR, 2011. 12 s. - (Technical Report, V-1122)

**163. Rohn, Jiří**

The Hansen-Bliek Optimality Result as a Consequence of the General Theory.

Prague : ICS AS CR, 2011. 5 s. - (Technical Report, V-1104)

**162. Rohn, Jiří**

Verified Solutions of Linear Equations.

Prague : ICS AS CR, 2011. 9 s. - (Technical Report, V-1121)

**161. Rohn, Jiří**

VERSOFT: Examples.

Prague : ICS AS CR, 2011. 12 s. - (Technical Report, V-1119)

<http://uivtx.cs.cas.cz/~rohn/matlab/index.html>

<http://uivtx.cs.cas.cz/~rohn/matlab/others/index.html>

**160. Rohn, Jiří**

VERSOFT: Guide.

Prague : ICS AS CR, 2011. 6 s. - (Technical Report, V-1118)

<http://uivtx.cs.cas.cz/~rohn/matlab/>

<http://uivtx.cs.cas.cz/~rohn/matlab/others/index.html>

## 2010

**159. Rohn, Jiří**

A Characterization of Strong Regularity of Interval Matrices.

*ELA Electronic Linear Algebra*. Roč. 20, - (2010), s. 717-722. ISSN 1081-3810

Impakt faktor: 0.808, rok: 2010


 [http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol20\\_pp717-722.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol20_pp717-722.pdf)

**158. Rohn, Jiří**

A Residual Existence Theorem for Linear Equations.

*Optimization Letters*. Roč. 4, č. 2 (2010), s. 287-292. ISSN 1862-4472

Impakt faktor: 1.010, rok: 2010

 [DOI: 10.1007/s11590-009-0160-7](https://doi.org/10.1007/s11590-009-0160-7)

**157. Rohn, Jiří**

A General Method for Enclosing Solutions of Interval Linear Equations.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1067)

**156. Rohn, Jiří**

A Characterization of Strong Regularity of Interval Matrices.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1072)

**155.Rohn, Jiří**

A Note on Generating P-Matrices.

Prague : ICS AS CR, 2010. 4 s. - (Technical Report, V-1090)

**154.Rohn, Jiří**

A Theorem of the Alternatives for the Equation  $|Ax| - |B| |x| = b$ .

Prague : ICS AS CR, 2010. 8 s. - (Technical Report, V-1092)

**153.Rohn, Jiří**

An Algorithm for Computing All Solutions of an Absolute Value Equation.

Prague : ICS AS CR, 2010. 7 s. - (Technical Report, V-1091)

**152.Rohn, Jiří**

An Algorithm for Computing the Hull of the Solution Set of Interval Linear Equations.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1074)

**151.Rohn, Jiří**

An Algorithm for Finding a Singular Matrix in an Interval Matrix.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1087)

**150.Rohn, Jiří**

An Algorithm for Solving the Absolute Value Equation: An Improvement.

Prague : ICS AS CR, 2010. 8 s. - (Technical Report, V-1063)

**149.Rohn, Jiří**

An Improvement of the Bauer-Skeel Bounds.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1065)

**148.Rohn, Jiří**

Explicit Inverse of an Interval Matrix with Unit Midpoint.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1071)

**147.Rohn, Jiří**

Inverse Interval Matrix: A Survey.

Prague : ICS AS CR, 2010. 9 s. - (Technical Report, V-1073)

**146.Rohn, Jiří**

On Rump's Characterization of P-Matrices.

Prague : ICS AS CR, 2010. 5 s. - (Technical Report, V-1093)

**2009****145.Rohn, Jiří**

An Algorithm for Solving the Absolute Value Equation.

*ELA Electronic Linear Algebra*. Roč. 18, - (2009), s. 589-599. ISSN 1081-3810

Impakt faktor: 0.892, rok: 2009

 [http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18\\_pp589-599.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18_pp589-599.pdf)

#### 144.Rohn, Jiří

Description of All Solutions of a Linear Complementarity Problem.

*ELA Electronic Linear Algebra*. Roč. 18, - (2009), s. 246-252. ISSN 1081-3810

Impakt faktor: 0.892, rok: 2009

 [http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18\\_pp246-252.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18_pp246-252.pdf)

#### 143.Rohn, Jiří

Forty Necessary and Sufficient Conditions for Regularity of Interval Matrices: A survey.

*ELA Electronic Linear Algebra*. Roč. 18, - (2009), s. 500-512. ISSN 1081-3810

Impakt faktor: 0.892, rok: 2009


 [http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18\\_pp500-512.pdf](http://www.math.technion.ac.il/iic/ela/ela-articles/articles/vol18_pp500-512.pdf)

#### 142.Rohn, Jiří

On Unique Solvability of the Absolute Value Equation.

*Optimization Letters*. Roč. 3, č. 4 (2009), s. 603-606. ISSN 1862-4472

Impakt faktor: 0.926, rok: 2009

 [DOI: 10.1007/s11590-009-0129-6](https://doi.org/10.1007/s11590-009-0129-6)

## 2007

#### 141.Fiedler, Miroslav - Nedoma, Josef - Ramík, J. - Rohn, Jiří

Zadači linejnoj optimizaciji pri netočnych dannych.

[Linear Optimization Problems with Inexact Data.]


Moskva : RFFI, 2007. 288 s. ISBN 978-5-93972-688-7

#### 140.Rohn, Jiří

Nonsingularity, Positive Definiteness, and Positive Invertibility under Fixed-Point Data Rounding.

*Applications of Mathematics*. Roč. 52, č. 2 (2007), s. 105-115. ISSN 0862-7940

<http://dml.cz/handle/10338.dmlcz/134666>

 [DOI: 10.1007/s10492-007-0005-6](https://doi.org/10.1007/s10492-007-0005-6)

## 2006

#### 139.Fiedler, Miroslav - Nedoma, Josef - Ramík, J. - Rohn, Jiří - Zimmermann, K.

Linear Optimization Problems with Inexact Data.


New York : Springer, 2006. 214 s. ISBN 987-0-387-32697-9

<http://www.springer.com/mathematics/book/978-0-387-32697-9>

#### 138.Rohn, Jiří

Letter to the Editor.

*Reliable Computing*. Roč. 12, č. 3 (2006), s. 245-246. ISSN 1385-3139

 [DOI: 10.1007/s11155-006-7222-7](https://doi.org/10.1007/s11155-006-7222-7)

### 137.Rohn, Jiří

Perron Vectors of an Irreducible Nonnegative Interval Matrix.

*Linear & Multilinear Algebra*. Roč. 54, č. 6 (2006), s. 399-404. ISSN 0308-1087


Impakt faktor: 0.310, rok: 2006

 [DOI: 10.1080/03081080500304710](https://doi.org/10.1080/03081080500304710)

### 136.Rohn, Jiří

Regularity of Interval Matrices and Theorems of the Alternatives.

*Reliable Computing*. Roč. 12, č. 2 (2006), s. 99-105. ISSN 1385-3139

 [DOI: 10.1007/s11155-006-4877-z](https://doi.org/10.1007/s11155-006-4877-z)

## 2005

### 135.Rohn, Jiří

A Handbook of Results on Interval Linear Problems.

Praha, 2005. 78 s.


 <http://uivtx.cs.cas.cz/~rohn/publist!/handbook.pdf>

<http://www.cs.cas.cz/rohn/handbook>

### 134.Rohn, Jiří

A Normal Form Supplement to the Oettli-Prager Theorem. Dedicated to Prof. Dr. Gerhard Heindl on the Occasion of his Retirement.


*Reliable Computing*. Roč. 11, č. 1 (2005), s. 35-39. ISSN 1385-3139

 [DOI: 10.1007/s11155-005-5941-9](https://doi.org/10.1007/s11155-005-5941-9)

### 133.Rohn, Jiří

How Strong is Strong Regularity?.


*Reliable Computing*. Roč. 11, č. 6 (2005), s. 491-493. ISSN 1385-3139

 [DOI: 10.1007/s11155-005-0407-7](https://doi.org/10.1007/s11155-005-0407-7)

### 132.Rohn, Jiří

Linear Interval Equations: Midpoint Preconditioning May Produce a 100% Overestimation for Arbitrarily Narrow Data Even in Case  $n = 4$ .

*Reliable Computing*. Roč. 11, č. 2 (2005), s. 129-135. ISSN 1385-3139

 [DOI: 10.1007/s11155-005-3033-5](https://doi.org/10.1007/s11155-005-3033-5)

## 2004

### 131.Rohn, Jiří

Lineární algebra a optimalizace.

[Linear Algebra and Optimization.]

Praha : Karolinum, 2004. 199 s. - (Učební texty Univerzity Karlovy v Praze.)

ISBN 80-246-0932-0

**130.Rohn, Jiří**

A Theorem of the Alternatives for the Equation  $Ax + B|x| = b$ .

*Linear & Multilinear Algebra*. Roč. 52, č. 6 (2004), s. 421-426. ISSN 0308-1087

Impakt faktor: 0.377, rok: 2004

[DOI: 10.1080/0308108042000220686](https://doi.org/10.1080/0308108042000220686)

**129.Rohn, Jiří**

A Method for Handling Dependent Data in Interval Linear Systems.

Prague : ICS AS CR, 2004. 7 s. - (Technical Report, V-911)

**128.Rohn, Jiří**

Linear Interval Equations: Midpoint Preconditioning may Produce a 100 Percent Overestimation for Arbitrarily Narrow Data Even in Case  $n=4$ .

Prague : ICS AS CR, 2004. 8 s. - (Technical Report, V-910)

**127.Rohn, Jiří**

Lineární algebra a optimalizace na slidech.

[Linear Algebra and Optimization on Slides.]

Prague : ICS AS CR, 2004. 456 s. - (Technical Report, V-905)

**126.Rohn, Jiří**

Problém lineární komplementarity a kvadratické programování (stručný učební text).

[The Linear Complementarity Problem and Quadratic Programming (A Brief Introductory Text).]

Prague : ICS AS CR, 2004. 11 s. - (Technical Report, V-918)

**2003****125.Rohn, Jiří**

Solvability of Systems of Linear Interval Equations.

*SIAM Journal on Matrix Analysis and Applications*. Roč. 25, č. 1 (2003), s. 237-245.

ISSN 0895-4798

Impakt faktor: 0.913, rok: 2003

[DOI: 10.1137/S0895479801398955](https://doi.org/10.1137/S0895479801398955)

**124.Rohn, Jiří**

Přehled některých důležitých vět z teorie matic.

Prague : ICS AS CR, 2003. 48 s. - (Technical Report, V-895)

**2002****123.Rohn, Jiří**

Systems of Interval Linear Equations and Inequalities (Rectangular Case).

Prague : ICS AS CR, 2002. 69 s. - (Technical Report, V-875)



## 2001

### 122. Alefeld, G. (ed.) - Rohn, Jiří (ed.) - Rump, S. (ed.) - Yamamoto, T. (ed.)

Symbolic Algebraic Methods and Verification Methods.

Wien : Springer, 2001. 266 s. - (Springer Mathematics.) ISBN 3-211-83593-8

### 121. Rohn, Jiří - Rump, S. - Yamamoto, T.

Preface.

*Linear Algebra and Its Applications*. Roč. 324, č. 1-3 (2001), s. 1-2. ISSN 0024-3795

Impakt faktor: 0.423, rok: 2001

[DOI: 10.1016/S0024-3795\(00\)00297-4](https://doi.org/10.1016/S0024-3795(00)00297-4)

### 120. Rohn, Jiří (ed.) - Rump, S. (ed.) - Yamamoto, T. (ed.)

Special issue on linear algebra in self-validating methods.

236 s. In: *Linear Algebra and Its Applications*. Roč. 324, 1-3 (2001), s. 1-236. ISSN 0024-3795

<http://www.sciencedirect.com/science/journal/00243795/324/1-3>

### 119. Rohn, Jiří

Lineární programování (stručný učební text).

[Linear Programming (Brief Lecture Notes).]

Prague : ICS AS CR, 2001. 24 s. - (Technical Report, V-845)

## 2000

### 118. Rohn, Jiří

Computing the norm  $\|A\|_{\infty,1}$  is NP-hard.

*Linear & Multilinear Algebra*. Roč. 47, č. 3 (2000), s. 195-204. ISSN 0308-1087

[DOI: 10.1080/03081080008818644](https://doi.org/10.1080/03081080008818644)

## 1999

### 117. Jansson, C. - Rohn, Jiří

An Algorithm for Checking Regularity of Interval Matrices.

*SIAM Journal on Matrix Analysis and Applications*. Roč. 20, č. 3 (1999), s. 756-776.

ISSN 0895-4798

Impakt faktor: 0.663, rok: 1999

[DOI: 10.1137/S0895479896313978](https://doi.org/10.1137/S0895479896313978)

## 1998

### 116. Kreinovich, V. - Lakeyev, A. - Rohn, Jiří - Kahl, P.

Computational Complexity and Feasibility of Data Processing and Interval Computations.  
Dordrecht : Kluwer Academic Publ., 1998. 459 s. - (Applied Optimization, 10).  
ISBN 0-7923-4865-6

### 115. Rohn, Jiří

Bounds on Eigenvalues of Interval Matrices.  
*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 78, Supplement 3 (1998),  
s. S1049-S1050. ISSN 0044-2267  
Impakt faktor: 0.107, rok: 1998  
[DOI: 10.1002/zamm.19980781593](https://doi.org/10.1002/zamm.19980781593)

### 114. Rohn, Jiří - Rex, G.

Enclosing Solutions of Linear Equations.  
*SIAM Journal on Numerical Analysis*. Roč. 35, č. 2 (1998), s. 524-539. ISSN 0036-1429  
Impakt faktor: 1.254, rok: 1998  
[DOI: 10.1137/S0036142996299423](https://doi.org/10.1137/S0036142996299423)

### 113. Rohn, Jiří

Linear Programming with Inexact Data is NP-hard.  
*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 78, Supplement 3 (1998),  
s. S1051-S1052. ISSN 0044-2267  
Impakt faktor: 0.107, rok: 1998  
[DOI: 10.1002/zamm.19980781594](https://doi.org/10.1002/zamm.19980781594)

### 112. Mayer, G. - Rohn, Jiří

On the Applicability of the Interval Gaussian Algorithm.  
*Reliable Computing*. Roč. 4, č. 3 (1998), s. 205-222. ISSN 1385-3139  
[DOI: 10.1023/A:1009997411503](https://doi.org/10.1023/A:1009997411503)

### 111. Rex, G. - Rohn, Jiří

Sufficient Conditions for Regularity and Singularity of Interval Matrices.  
*SIAM Journal on Matrix Analysis and Applications*. Roč. 20, č. 2 (1998), s. 437-445.  
ISSN 0895-4798  
Impakt faktor: 1.178, rok: 1998  
[DOI: 10.1137/S0895479896310743](https://doi.org/10.1137/S0895479896310743)

## 1997

### 110. Rohn, Jiří

Complexity of Some Linear Problems with Interval Data.  
*Reliable Computing*. Roč. 3, č. 3 (1997), s. 315-323. ISSN 1385-3139  
[DOI: 10.1023/A:1009987227018](https://doi.org/10.1023/A:1009987227018)

**109.Rohn, Jiří**

On Overestimations Produced by the Interval Gaussian Algorithm.  
*Reliable Computing*. Roč. 3, č. 4 (1997), s. 363-368. ISSN 1385-3139  
[DOI: 10.1023/A:1009993319560](https://doi.org/10.1023/A:1009993319560)

**108.Rohn, Jiří**

Overestimations in Bounding Solutions of Perturbed Linear Equations.  
*Linear Algebra and Its Applications*. Roč. 262, - (1997), s. 55-65. ISSN 0024-3795  
Impakt faktor: 0.329, rok: 1997  
[DOI: 10.1016/S0024-3795\(97\)80022-5](https://doi.org/10.1016/S0024-3795(97)80022-5)

**107.Rohn, Jiří**

Validated Solutions of Nonlinear Equations.  
*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 77, Supplement 2 (1997),  
s. S657-S658. ISSN 0044-2267.  
[GAMM 96. Prague, 27.05.1996-31.05.1996]  
Impakt faktor: 0.128, rok: 1997  
[DOI: 10.1002/zamm.19970771407](https://doi.org/10.1002/zamm.19970771407)

**106.Rohn, Jiří**

On Overestimations Produced by the Interval Gaussian Algorithm.  
Prague : ICS AS CR, 1997. 5 s. - (Technical Report, V-690)

**105.Rex, G. - Rohn, Jiří**

Sufficient Conditions for Regularity and Singularity of Interval Matrices.  
Leipzig : Preprint NTZ/18, 1997. 11 s.

**1996****104.Rohn, Jiří**

An Algorithm for Checking Stability of Symmetric Interval Matrices.  
*IEEE Transactions on Automatic Control*. Roč. 41, č. 1 (1996), s. 133-136. ISSN 0018-9286  
Impakt faktor: 0.918, rok: 1996  
[DOI: 10.1109/9.481618](https://doi.org/10.1109/9.481618)

**103.Rohn, Jiří**

Complexity of Solving Linear Interval Equations.  
*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 76, č. 3 (1996), s. 271-274.  
ISSN 0044-2267  
Impakt faktor: 0.182, rok: 1996  
[DOI: 10.1002/zamm.19960761310](https://doi.org/10.1002/zamm.19960761310)

**102.Rohn, Jiří**

Enclosing Solutions of Overdetermined Systems of Linear Interval Equations.  
*Reliable Computing*. Roč. 2, č. 2 (1996), s. 167-171. ISSN 1385-3139  
[DOI: 10.1007/BF02425920](https://doi.org/10.1007/BF02425920)


**101. Rohn, Jiří - Rex, G.**

Interval P-Matrices.

*SIAM Journal on Matrix Analysis and Applications*. Roč. 17, č. 4 (1996), s. 1020-1024.

ISSN 0895-4798

Impakt faktor: 0.713, rok: 1996

 [DOI: 10.1137/0617062](https://doi.org/10.1137/0617062)

**100. Kreinovich, V. - Lakeyev, A. - Rohn, Jiří**

Computational Complexity of Interval Algebraic Problems: Some Are Feasible and Some Are Computationally Intractable - A Survey.

*Proceedings of SCAN-95*. Berlin : AkademieVerlag, 1996 - (Alefeld, G.; Frommer, A.; Lang, B.) s. 293-306

**99. Rohn, Jiří**

Linear Interval Equations: Computing Enclosures with Bounded Relative Overestimation is NP-Hard.

*Applications of Interval Computations*. Dordrecht : Kluwer Academic Publishers, 1996 - (Kearfott, R.; Kreinovich, V.) s. 81-89. ISBN 0-7923-38472. - (Applied Optimization. 3). [APIC'95. El Paso (US), 23.02.1995-25.02.1995]

**98. Jansson, C. - Rohn, Jiří**

An Algorithm for Checking Regularity of Interval Matrices.

Hamburg : Technische Universität Hamburg , 1996. 26 s. - (Berichte des Forschungsschwerpunktes Informations- und Kommunikationstechnik, 96/4)

**97. Rohn, Jiří**

Bounds on Eigenvalues of Interval Matrices.

Prague : ICS AS CR, 1996. 8 s. - (Technical Report, V-688)

**96. Rohn, Jiří - Rex, G.**

Enclosing Solutions of Linear Equations.

Prague : ICS AS CR, 1996. 18 s. - (Technical Report, V-666)

**95. Rohn, Jiří**

Checking Properties of Interval Matrices.

Prague : ICS AS CR, 1996. 36 s. - (Technical Report, V-686)

## 1995

**94. Rex, G. - Rohn, Jiří**

A Note on Checking Regularity of Interval Matrices.

*Linear & Multilinear Algebra*. Roč. 39, - (1995), s. 259-262. ISSN 0308-1087

 [DOI: 10.1080/03081089508818399](https://doi.org/10.1080/03081089508818399)

- 93. Rohn, Jiří - Kreinovich, V.**  
Computing Exact Componentwise Bounds on Solutions of Linear Systems with Interval Data is NP-Hard.  
*SIAM Journal on Matrix Analysis and Applications*. Roč. 16, - (1995), s. 415-420.  
ISSN 0895-4798  
Impakt faktor: 0.653, rok: 1995  
[DOI: 10.1137/S0895479893251198](https://doi.org/10.1137/S0895479893251198)
- 92. Rohn, Jiří**  
Checking Bounds on Solutions of Linear Interval Equations is NP-Hard.  
*Linear Algebra and Its Applications*. Roč. 223/224, - (1995), s. 589-596. ISSN 0024-3795  
Impakt faktor: 0.405, rok: 1995  
[DOI: 10.1016/0024-3795\(94\)00219-4](https://doi.org/10.1016/0024-3795(94)00219-4)
- 91. Rohn, Jiří**  
Linear Interval Equations: Computing Sufficiently Accurate Enclosures in NP-Hard.  
*Reliable Computing*, Supplement (1995), s. 165. ISSN 1385-3139.  
[APIC'95. 23.02.1995-25.02.1995, El Paso]  
<http://www.cs.utep.edu/interval-comp/apic.95/rohn.ps>
- 90. Rohn, Jiří**  
Complexity of Solving Linear Interval Equations.  
Prague : ICS AS CR, 1995. 7 s. - (Technical Report, 636)
- 89. Rohn, Jiří**  
Enclosing Solutions of Overdetermined Systems of Linear Interval Equations.  
Prague : ICS AS CR, 1995. 7 s. - (Technical Report, V-643)
- 88. Rohn, Jiří**  
Linear Interval Equations: Computing Sufficiently Accurate Enclosures in NP-Hard.  
Prague : ICS AS CR, 1995. 7 s. - (Technical Report, V-621)
- 87. Rohn, Jiří**  
Linear Programming with Inexact Data is NP-Hard.  
Prague : ICS AS CR, 1995. 5 s. - (Technical Report, V-642)
- 86. Rohn, Jiří**  
NP-Hardness Results for Some Linear and Quadratic Problems.  
Prague : ICS AS CR, 1995. 11 s. - (Technical Report, V-619)
- 85. Rohn, Jiří**  
The Conjecture "P ≠ NP" and Overestimation in Bounding Solutions of Perturbed Linear Equations.  
Prague : ICS AS CR, 1995. 5 s. - (Technical Report, V-644)
- 84. Rohn, Jiří**  
Validated Solutions of Linear Equations.  
Prague : ICS AS CR, 1995. 11 s. - (Technical Report, V-620)

**83. Rohn, Jiří**

Validated Solutions of Nonlinear Equations.  
Prague : ICS AS CR, 1995. 5 s. - (Technical Report, V-641)

**1994**

**82. Rohn, Jiří**

Enclosing Solutions of Linear Interval Equations is NP-hard.  
*Computing*. Roč. 53 (1994), s. 365-368. ISSN 0010-485X  
[DOI: 10.1007/BF02307386](https://doi.org/10.1007/BF02307386)

**81. Rohn, Jiří - Kreslová, J.**

Linear interval inequalities.  
*Linear & Multilinear Algebra*. Roč. 38, č. 1-2 (1994), s. 79-82. ISSN 0308-1087  
[DOI: 10.1080/03081089508818341](https://doi.org/10.1080/03081089508818341)

**80. Rohn, Jiří**

On some properties of interval matrices preserved by nonsingularity.  
*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 74, - (1994), s. T688.  
ISSN 0044-2267  
Impakt faktor: 0.388, rok: 1994  
[DOI: 10.1002/zamm.19940740607](https://doi.org/10.1002/zamm.19940740607)

**79. Rohn, Jiří - Deif, A.**

On the invariance of the sign pattern of matrix eigenvectors under perturbation.  
*Linear Algebra and Its Applications*. Roč. 196 (1994), s. 63-70. ISSN 0024-3795  
Impakt faktor: 0.430, rok: 1994  
[DOI: 10.1016/0024-3795\(94\)90315-8](https://doi.org/10.1016/0024-3795(94)90315-8)

**78. Rohn, Jiří**

Positive definiteness and stability of interval matrices.  
*SIAM Journal on Matrix Analysis and Applications*. Roč. 15 (1994), s. 175-184. ISSN 0895-4798  
Impakt faktor: 1.000, rok: 1994  
[DOI: 10.1137/S0895479891219216](https://doi.org/10.1137/S0895479891219216)

**77. Rohn, Jiří**

A perturbation theorem for linear equations.  
*Commentationes Mathematicae Universitatis Carolinae*. Roč. 35, - (1994), s. 213-214.  
ISSN 0010-2628  
<http://dml.cz/handle/10338.dmlcz/118656>

**76. Rohn, Jiří**

Checking positive definiteness or stability of symmetric interval matrices is NP-hard.  
*Commentationes Mathematicae Universitatis Carolinae*. Roč. 35, č. 4 (1994), s. 795-797.  
ISSN 0010-2628  
<http://dml.cz/handle/10338.dmlcz/118721>

**75. Rohn, Jiří**

NP-Hardness Results for Linear Algebraic Problems with Interval Data.  
*Topics in Validated Computations*. Amsterdam : NorthHolland, 1994 - (Herzberger, J.)  
s. 463-471. - (Studies in Computational Mathematics. 5).  
[IMACS-GAMM international workshop on validated computation. Oldenburg (DD),  
30.08.1993-03.09.1993]

**74. Rex, G. - Rohn, Jiří**

A Note on Checking Regularity of Interval Matrices.  
Prague : ICS AS CR, 1994. 4 s. - (Technical Report, V-604)

**73. Rohn, Jiří**

An Algorithm for Checking Stability of Symmetric Interval Matrices.  
Prague : ICS AS CR, 1994. 8 s. - (Technical Report, V-595)

**72. Rohn, Jiří - Rex, G.**

Interval P-Matrices.  
Prague : ICS AS CR, 1994. 6 s. - (Technical Report, V-618)

## 1993

**71. Rohn, Jiří**

A Note on Solvability of a Class of Linear Complementarity Problems.  
*Mathematical Programming*. Roč. 60, č. 2 (1993), s. 229-231. ISSN 0025-5610  
Impakt faktor: 0.888, rok: 1993  
[DOI: 10.1007/BF01580611](https://doi.org/10.1007/BF01580611)

**70. Rohn, Jiří**

A step size rule for unconstrained optimization.  
*Computing*. Roč. 49, č. 4 (1993), s. 373-376. ISSN 0010-485X  
[DOI: 10.1007/BF02248697](https://doi.org/10.1007/BF02248697)

**69. Poljak, S. - Rohn, Jiří**

Checking Robust Nonsingularity is NP-Hard.  
*Mathematics of Control Signals and Systems*. Roč. 6, č. 1 (1993), s. 1-9. ISSN 0932-4194  
[DOI: 10.1007/BF01213466](https://doi.org/10.1007/BF01213466)

**68. Rohn, Jiří**

Interval matrices: Singularity and real eigenvalues.  
*SIAM Journal on Matrix Analysis and Applications*. Roč. 14 (1993), s. 82-91. ISSN 0895-4798  
Impakt faktor: 0.862, rok: 1993  
[DOI: 10.1137/0614007](https://doi.org/10.1137/0614007)

**67. Rohn, Jiří**

Inverse Interval Matrix.

*SIAM Journal on Numerical Analysis*. Roč. 30, č. 3 (1993), s. 864-870. ISSN 0036-1429

Impakt faktor: 0.800, rok: 1993

[DOI: 10.1137/0730044](https://doi.org/10.1137/0730044)

**66. Rohn, Jiří**

Stability of the optimal basis of a linear program under uncertainty.

*Operations Research Letters*. Roč. 13, č. 1 (1993), s. 9-12. ISSN 0167-6377

[DOI: 10.1016/0167-6377\(93\)90077-T](https://doi.org/10.1016/0167-6377(93)90077-T)

**65. Rohn, Jiří**

Cheap and tight bounds: the recent result by E. Hansen can be made more efficient.

*Interval Computations*. -, č. 4 (1993), s. 13-21. ISSN 0135-4868

## 1992

**64. Rohn, Jiří**

Erratum: A short proof of finiteness of Murty's principal pivoting algorithm.

*Mathematical Programming*. Roč. 57, - (1992), s. 477. ISSN 0025-5610

Impakt faktor: 0.921, rok: 1992

[DOI: 10.1007/BF01581096](https://doi.org/10.1007/BF01581096)

**63. Rohn, Jiří - Deif, A.**

On the Range of Eigenvalues of an Interval Matrix.

*Computing*. Roč. 47, č. 3-4 (1992), s. 373-377. ISSN 0010-485X

[DOI: 10.1007/BF02320205](https://doi.org/10.1007/BF02320205)

**62. Rohn, Jiří**

Stability of interval matrices - the real eigenvalue case.

*IEEE Transactions on Automatic Control*. Roč. 37 (1992), s. 1604-1605. ISSN 0018-9286

Impakt faktor: 0.994, rok: 1992

[DOI: 10.1109/9.256393](https://doi.org/10.1109/9.256393)

**61. Rohn, Jiří**

An algorithm for finding a singular matrix in an interval matrix.

*Journal of Numerical Linear Algebra with Applications*. Roč. 1, č. 1 (1992), s. 43-47.

ISSN 0129-3281

**60. Rohn, Jiří**

On the common argument behind the finite pivoting rules by Bland and Murty.

Praha : MFF UK, 1992. 4 s. - (KAM Series, 92-225)



## 1991

### 59. Rohn, Jiří

A Theorem on P-Matrices.

*Linear & Multilinear Algebra*. Roč. 30, č. 3 (1991), s. 209-211. ISSN 0308-1087

[DOI: 10.1080/03081089108818104](https://doi.org/10.1080/03081089108818104)

### 58. Rohn, Jiří

An existence theorem for systems of linear equations.

*Linear & Multilinear Algebra*. Roč. 29, č. 2 (1991), s. 141-144. ISSN 0308-1087

[DOI: 10.1080/03081089108818064](https://doi.org/10.1080/03081089108818064)

### 57. Rohn, Jiří

Lineární problémy s nepřesnými daty.

Praha, 1991. 198 s. - (Doktorská disertační práce)

## 1990

### 56. Rohn, Jiří

A Short Proof of Finiteness of Murty's Principal Pivoting Algorithm.

*Mathematical Programming*. Roč. 46, č. 2 (1990), s. 255-256. ISSN 0025-5610

[DOI: 10.1007/BF01585743](https://doi.org/10.1007/BF01585743)

### 55. Rohn, Jiří

Interval solutions of linear interval equations.

*Applications of Mathematics*. Roč. 35 č. 3 (1990), s. 220-224. ISSN 0862-7940

<http://dml.cz/handle/10338.dmlcz/104406>

### 54. Rohn, Jiří

Nonsingularity and P-matrices.

*Applications of Mathematics*. Roč. 35 č. 3 (1990), s. 215-219. ISSN 0862-7940

<http://dml.cz/handle/10338.dmlcz/104405>

### 53. Rohn, Jiří

Nonsingularity Under Data Rounding.

*Linear Algebra and Its Applications*. Roč. 139, - (1990), s. 171-174. ISSN 0024-3795

Impakt faktor: 0.354, rok: 1990

[DOI: 10.1016/0024-3795\(90\)90396-T](https://doi.org/10.1016/0024-3795(90)90396-T)

### 52. Rohn, Jiří

Real Eigenvalues of an Interval Matrix with Rank one Radius.

*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 70, č. 1 (1990), s. T562-T563. ISSN 0044-2267

Impakt faktor: 0.140, rok: 1990

[DOI: 10.1002/zamm.19900700603](https://doi.org/10.1002/zamm.19900700603)

**51. Rohn, Jiří**

Characterization of a linear program in standard form by a family of linear programs with inequality constraints.

*Ekonomicko-matematický obzor*. Roč. 26, č. 1 (1990), s. 71-73

**1989**

**50. Rohn, Jiří**

A Farkas-type Theorem for Linear Interval Equations.

*Computing*. Roč. 43, č. 1 (1989), s. 93-95. ISSN 0010-485X

[DOI: 10.1007/BF02243809](https://doi.org/10.1007/BF02243809)

**49. Rohn, Jiří**

A Two-sequence Method for Linear interval Equations.

*Computing*. Roč. 41, č. 1-2 (1989), s. 137-140. ISSN 0010-485X

[DOI: 10.1007/BF02238736](https://doi.org/10.1007/BF02238736)

**48. Rohn, Jiří**

An Asymptotic Result for Linear Interval Systems.

*Bit*. Roč. 29, č. 2 (1989), s. 372-374. ISSN 0006-3835

[DOI: 10.1007/BF01952693](https://doi.org/10.1007/BF01952693)

**47. Rohn, Jiří**

New Condition Numbers for Matrices and Linear Systems.

*Computing*. Roč. 41, č. 1-2 (1989), s. 167-169. ISSN 0010-485X

[DOI: 10.1007/BF02238741](https://doi.org/10.1007/BF02238741)

**46. Rohn, Jiří**

On Nonconvexity of the Solution Set of A System of Linear Interval Equations.

*Bit*. Roč. 30, č. 1 (1989), s. 161-165. ISSN 0006-3835

[DOI: 10.1007/BF01932142](https://doi.org/10.1007/BF01932142)

**45. Rohn, Jiří**

Systems of Linear Interval Equations.

*Linear Algebra and Its Applications*. Roč. 126, - (1989), s. 39-78. ISSN 0024-3795

Impakt faktor: 0.425, rok: 1989

[DOI: 10.1016/0024-3795\(89\)90004-9](https://doi.org/10.1016/0024-3795(89)90004-9)

**44. Rohn, Jiří**

On Sensitivity of the Optimal Value of a Linear Programs.

*Ekonomicko-matematický obzor*. Roč. 25, č. 1 (1989), s. 105-107

**43. Rohn, Jiří**

On Singular matrices Contained in an Interval Matrix.

*Ekonomicko-matematický obzor*. Roč. 25, č. 3 (1989), s. 320-322

**42. Rohn, Jiří**

Linear interval equations: Enclosing and nonsingularity.  
Praha : MFF UK, 1989. 16 s. - (KAM Series, 89-141)

**1988**

**41. Rohn, Jiří**

Solving systems of linear interval equations.  
*Reliability in Computing: The Role of Interval Methods in Scientific Computing*. Boston : Academic Press, 1988 - (Moore, R.) s. 171-182. ISBN 9780125056304. - (Perspectives in Computing. 19)

**40. Rohn, Jiří**

Sensitivity characteristics for the linear programming problem.  
*Arbeiten zur mathematischen Optimierung und zu verwandten Gebieten*. Berlin : Humboldt-Universität, 1988 - (Lommatzsch, K.; Nožička, F.) s. 135-137. - (Seminarberichte. 94)

**39. Rohn, Jiří**

Nearness of matrices to singularity.  
Praha : MFF UK, 1988. 4 s. - (KAM Series, 88-79)

**38. Poljak, S. - Rohn, Jiří**

Radius of Nonsingularity.  
Praha : MFF UK, 1988. 11 s. - (KAM Series, 88-117)

**1987**

**37. Rohn, Jiří**

Inverse-positive interval matrices.  
*ZAMM-Zeitschrift für Angewandte Mathematik und Mechanik*. Roč. 67, č. 5 (1987), s. T492-T493. ISSN 0044-2267

**36. Rohn, Jiří**

Eigenvalues of a Symmetric Interval Matrix.  
Freiburg : Albert-Ludwigs-Universitaet, 1987, s. 67-72. - (Freiburger Interval Berichte, 87/10)

**35. Rohn, Jiří**

Formulae for Exact Bounds on Solutions of Linear Systems with Rank One Perturbations.  
Freiburg : Albert-Ludwigs-Universitaet, 1987, s. 1-20. - (Freiburger Interval Berichte, 87/6)

## 1986


### 34. Rohn, Jiří

Inner Solutions of Linear Interval Systems.

*Interval Mathematics 1985*. Berlin : SpringerVerlag, 1986 - (Nickel, K.) s. 157-158.

ISBN 3-540-16437-5. - (Lecture Notes in Computer Science. 212).

[Interval Mathematics 1985. Freiburg (DD), 23.09.1985-26.09.1985]

 [DOI: 10.1007/3-540-16437-5\\_15](https://doi.org/10.1007/3-540-16437-5_15)

### 33. Rohn, Jiří

A Note on Solving Equations of Type  $A^I x^I = b^I$ .

Freiburg : Albert-Ludwigs-Universitaet, 1986, s. 29-31. - (Freiburger Interval Berichte, 86/4)

### 32. Rohn, Jiří

A Note on the Sign-Accord Algorithm.

Freiburg : Albert-Ludwigs-Universitaet, 1986, s. 39-43. - (Freiburger Interval Berichte, 86/4)

### 31. Rohn, Jiří

Testing Regularity of Interval Matrices.

Freiburg : Albert-Ludwigs-Universitaet, 1986, s. 33-37. - (Freiburger Interval Berichte, 86/4)

## 1985

### 30. Rohn, Jiří

Miscellaneous Results on Linear Interval Systems.

Freiburg : Albert-Ludwigs-Universitaet, 1985, s. 29-43. - (Freiburger Interval Berichte, 85/9)

### 29. Rohn, Jiří

On the Interval Hull of the Solution Set of an Interval Linear System.

Freiburg : Albert-Ludwigs-Universitaet, 1985, s. 47-57. - (Freiburger Interval Berichte, 81/5)

### 28. Rohn, Jiří

Some Results on Interval Linear Systems.

Freiburg : Albert-Ludwigs-Universitaet, 1985, s. 93-116. - (Freiburger Interval Berichte, 85/4)

## 1984

### 27. Šimák, P. - Rohn, Jiří

Výpočet parametru víceprvkového rheologického modelu.

*Využití malých počítačů pro řešení problematiky zakládání a mechaniky zemin. Sborník přednášek*. Praha : VÚPS, 1984 - (Šimák, P.) s. 105-107

### 26. Rohn, Jiří

Interval Linear Systems.

Freiburg : Albert-Ludwigs-Universitaet, 1984, s. 33-58. - (Freiburger Interval Berichte, 84/7)

**25. Rohn, Jiří**

Proofs to "Solving Interval Linear Systems".

Freiburg : Albert-Ludwigs-Universitaet, 1984, s. 17-30. - (Freiburger Interval Berichte, 84/7)

**24. Rohn, Jiří**

Solving Interval Linear Systems.

Freiburg : Albert-Ludwigs-Universitaet, 1984, s. 1-14. - (Freiburger Interval Berichte, 84/7)

## 1983

**23. Rohn, Jiří - Šimák, P.**

Využití počítače EG 3003 pro geotechnické výpočty a statistické hodnocení.

*Využití mikro počítačů pro řešení problematiky zakládání a mechaniky zemin. Sborník přednášek.* Praha : VÚPS, 1983 - (Šimák, P.) s. 105-108

## 1982

**22. Rohn, Jiří**

Productivity of activities in the optimal allocation of one resource.

*Applications of Mathematics.* Roč. 27, č. 2 (1982), s. 146-149. ISSN 0862-7940

<http://dml.cz/handle/10338.dmlcz/103954>

**21. Rohn, Jiří**

An Algorithm for Solving Interval Linear Systems and Inverting Interval Matrices.

Freiburg : Albert-Ludwigs-Universitaet, 1982, s. 23-36. - (Freiburger Interval Berichte, 82/5)

## 1981

**20. Rohn, Jiří**

Interval linear systems with prescribed column sums.

*Linear Algebra and Its Applications.* Roč. 39, - (1981), s. 143-148. ISSN 0024-3795

 [DOI: 10.1016/0024-3795\(81\)90298-6](https://doi.org/10.1016/0024-3795(81)90298-6)

**19. Rohn, Jiří**

Strong Solvability of Interval Linear Programming Problems.

*Computing.* Roč. 26, č. 1 (1981), s. 79-82. ISSN 0010-485X

 [DOI: 10.1007/BF02243426](https://doi.org/10.1007/BF02243426)

**18. Rohn, Jiří**

Dual Complementarity in Interval Linear-Programming Problems.

*Ekonomicko-matematický obzor.* Roč. 17, č. 1 (1981), s. 86-89

## 1980

### 17. Rohn, Jiří

An Existence Theorem for Systems of Nonlinear Equations.

*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 60 (1980), s. 345-345.


ISSN 0044-2267

 [DOI: 10.1002/zamm.19800600810](https://doi.org/10.1002/zamm.19800600810)

### 16. Rohn, Jiří

Input-output model with interval data.

*Econometrica*. Roč. 48, - (1980), s. 767-769. ISSN 0012-9682

 [DOI: 10.2307/1913136](https://doi.org/10.2307/1913136)

### 15. Rohn, Jiří

Duality in Interval Linear Programming.

*Interval Mathematics 1980*. New York : Academic Press, 1980 - (Nickel, K.) s. 521-529.

ISBN 0-12-518850-1.

[Interval Mathematics 1980. Freiburg (DD), 27.05.1980-31.05.1980]

## 1978

### 14. Rohn, Jiří

Correction of coefficients of the input-output model.

*ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik*. Roč. 58, č. 7 (1978), T494-T495.

ISSN 0044-2267

### 13. Rohn, Jiří

Dosažení maximální doживosti při nevyrovnaných obsazích živin v silážovaných objemných krmivech v zimním období.

*Zemědělská ekonomika*. Roč. 24, č. 5 (1978), s. 313-318

### 12. Rohn, Jiří

Input-Output Planning with Inexact Data.

Freiburg : Albert-Ludwigs-Universitaet, 1978, s. 1-16. - (Freiburger Interval Berichte, 78/9)

## 1977

### 11. Mikoláš, V. - Rohn, Jiří

Cvičení z matematiky pro 1. ročník - chemie a biologie.

Praha : Universita Karlova, 1977. 128 s.

### 10. Rohn, Jiří - Sklenář, I.

Automatizovaný systém sestavování plánu krmení dojníc.

*Zemědělská ekonomika*. Roč. 23, č. 1 (1977), s. 49-57

**9. Rohn, Jiří**

Optimalizace produkce mléka.

[Milk Production Optimization.]

*Ekonomicko-matematický obzor*. Roč. 13, - (1977), s. 444-450

## 1976

**8. Rohn, Jiří**

Soustavy lineárních rovnic s intervalově zadanými koeficienty.

[System of Linear Equations with Inexact Data.]

*Ekonomicko-matematický obzor*. Roč. 12, - (1976), s. 311-315

**7. Rohn, Jiří**

Intervalový přístup k meziodvětvovému modelu.

*Spolupráce matematicko-fyzikální fakulty Univerzity Karlovy s praxí*. Praha : Univerzita Karlova, 1976, s. 33-35.

[Konference o spolupráci matematicko-fyzikální fakulty Univerzity Karlovy s praxí k 30. výročí osvobození našeho státu Sovětskou armádou. Praha (CS1), 20.05.1975-21.05.1975]

**6. Rohn, Jiří**

Intervalová analýza Leontěvova modelu.

Praha, 1976. 83 s. - (Kandidátská disertační práce)

## 1975

**5. Rohn, Jiří**

Doplňování vápníku a fosforu v krmné dávce dojníc minerální přísadou.

*Zemědělská ekonomika*. Roč. 21, č. 7 (1975), s. 105-111

**4. Bouška, J. - Rohn, Jiří**

Řešení jedné úlohy na strukturním modelu při intervalovém zadání parametrů a konstant.

*4. celostátní konference o matematických metodách v ekonomii*. Praha : Ekonomický ústav ČSAV, 1975 - (Krupičková, E.) s. 135-156.

[Celostátní konference o matematických metodách v ekonomii /4./. Harmónia (CS1), 17.09.1974-20.09.1974]

## 1974

**3. Rohn, Jiří**

Matematika pro lingvisty.

Praha : Universita Karlova, 1974. 81 s.

## 1973

### 2. Rohn, Jiří

Iterační metoda řešení soustavy nelineárních rovnic.

*Acta Polytechnica IV*, 1973, s. 77-80

### 1. Rohn, Jiří

Oddělitelnost systémů otevřených konvexních množin.

[Separatedness of systems of open convex sets.]

*2. celostátní konference o matematických metodách v ekonomii*. Praha : Ekonomický ústav ČSAV, 1973 - (Pivničková, Z.) s. 243-250.

[Celostátní konference o matematických metodách v ekonomii /2./, Harmónia (CS1), 25.09.1972-29.09.1972]