

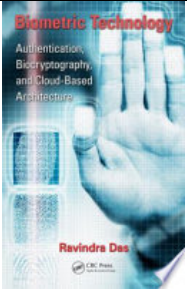
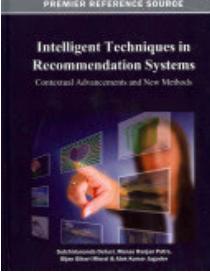


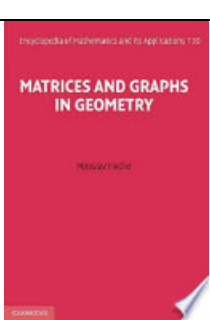
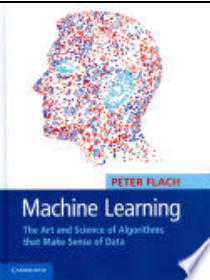
## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>Acta numerica 2014</u>. Cambridge: Cambridge University Press, 2014, 816 stran;. ISBN 978-1-107-06739-4.</p>
	<p><u>ALUR, Rajeev. Principles of cyber-physical systems</u>. Cambridge, Massachusetts: The MIT Press, 2015, xii, 446 stran. ISBN 978-0-262-02911-7.</p>
	<p><u>BARTHOLOMEW, David J, Fiona STEELE, Irini MOUSTAKI a Jane I GALBRAITH. Analysis of multivariate social science data</u>. Second edition. Boca Raton: CRC Press, 2008, xi, 371 stran. ISBN 978-1-58488-960-1.</p>
	<p><u>BELL, J. Intuitionistic set theory</u>. London: College Publications, 2014, 120 stran. ISBN 978-1-84890-140-7.</p>
	<p><u>BELL, J. Set Theory: boolean-valued models and independence proofs</u>. Third edition. Oxford: Oxford University Press, 2005, viii, 191 stran. ISBN 978-0-19-960916-1.</p>
	<p><u>BELLATRECHE, Ladjel a Yannis MANOLOPOULOS. Model and data engineering: 5th International conference, MEDI 2015, Rhodes, Greece, September 26-28, 2015. Proceedings</u>. Cham: Springer, 2015, xix, 342 stran. ISBN 978-3-319-23780-0.</p>
	<p><u>BENNER, Peter, Matthias BOLLHÖFER, Daniel KRESSNER, Christian MEHL a Tatjana STYKEL. Numerical algebra, matrix theory, differential-algebraic equations and control theory: festschrift in honor of Volker Mehrmann</u>. Cham: Springer, [2015], xlv, 608 stran. ISBN 978-3-319-15259-2.</p>

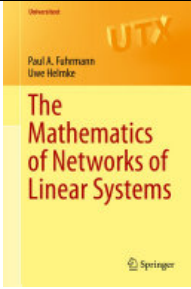
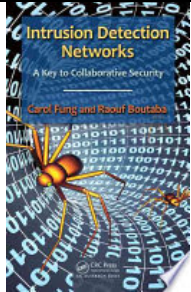
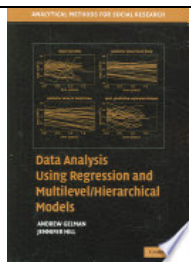
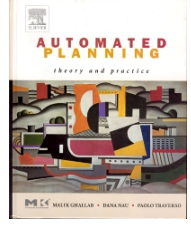
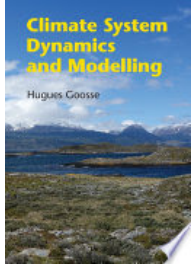

## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>BIMBÓ, Katalin. Proof theory: sequent calculi and related formalisms.</u> Boca Raton: CRC Press, 2015, x, 376 stran. ISBN 978-1-4665-6466-4.</p>
	<p><u>BORGER, Egon, Erich GRÄDEL a Yuri GUREVICH. The classical decision problem.</u> Second printing 2001 of the first edition 1997. Berlin: Springer-Verlag, 2001, x, 482 stran. ISBN 3-540-42324-9.</p>
	<p><u>BURRIS, Stanley a H SANKAPPANAVAR. A course in universal algebra.</u> New York: Springer-Verlag, 1981, xvi, 276 stran. ISBN 978-1-4613-8132-7.</p>
	<p><u>CIARLET, Philippe G. Linear and nonlinear functional analysis with applications: with 401 problems and 52 figures.</u> Philadelphia: SIAM, 2013, xiv, 832 stran. ISBN 978-1-611972-58-0.</p>
	<p><u>CINTULA, Petr. A general framework for mathematical fuzzy logic: habilitation thesis.</u> Prague: [nakladatel není známý], 2014, vii, 136 stran.</p>
	<p><u>CRUSE, D. Meaning in language: an introduction to semantics and pragmatics.</u> Third edition. Oxford: Oxford University Press, 2011, viii, 497 stran. ISBN 978-0-19-955946-6.</p>
	<p><u>ČERMÁK, František. Frekvenční slovník mluvené češtiny.</u> Vyd. 1. Praha: Karolinum, 2007, 510 s. ISBN 978-80-246-1425-0.</p>

## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>DAS, Ravindra. Biometric technology: authentication, biocryptography, and cloud-based architecture.</u> Boca Raton: CRC Press, [2015]., xix, 354 stran. ISBN 978-1-4665-9245-2.</p>
	<p><u>DEHURI, Satchidananda, Manas Ranjan PATRA, Bijan Bihari MISRA a Alok Kumar JAGADE. Intelligent techniques in recommendation systems: contextual advancements and new methods.</u> Hershey: Information Science Reference, 2013, xvii, 332 stran. ISBN 978-1-4666-2542-6.</p>
	<p><u>DESTERCKE, Sébastien a Thierry DENOEU. Symbolic and quantitative approaches to reasoning with uncertainty;</u> Compiègne, France, July 15 17, 2015: proceedings. Cham: Springer, 2015, xiii, 554 stran. ISBN 978-3-319-20806-0.</p>
	<p><u>EKSTRAND, Michael D, John T RIEDL a Joseph A KONSTAN. Collaborative filtering recommender systems.</u> Boston: now - the essence of knowledge, 2011, ix, 94 stran. ISBN 978-1-60198-442-5.</p>
	<p><u>FIEDLER, Miroslav. Matrices and graphs in geometry.</u> Cambridge: Cambridge University Press, c2011, viii, 197 s. ISBN 978-0-521-46193-1.</p>
	<p><u>FLACH, Peter A. Machine learning: the art and science of algorithms that make sense of data.</u> Cambridge: Cambridge University Press, c2012, xvii, 396 s. ISBN 978-1-107-09639-4.</p>

## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>FUHRMANN, Paul Abraham a Uwe HELMKE. The mathematics of networks of linear systems.</u> Cham: Springer, 2015, xiv, 662 stran. ISBN 978-3-319-16645-2.</p>
	<p><u>FUNG, Carol a Raouf BOUTABA. Intrusion detection networks: a key to collaborative security.</u> Boca Raton: CRC Press, 2014, xxii, 239 stran. ISBN 978-1-4665-6412-1.</p>
	<p><u>GELMAN, Andrew a Jennifer HILL. Data analysis using regression and multilevel/hierarchical models. 1st published.</u> New York: Cambridge University Press, c2007, xxii, 625 s. ISBN 978-0-521-68689-1.</p>
	<p><u>GHALLAB, Malik, Dana S. NAU a Paolo TRAVERSO. Automated planning: theory and practice.</u> Amsterdam: Morgan Kaufmann Publishers, [2004], xxviii, 635 stran. ISBN 978-1-55860-856-6.</p>
	<p><u>GOOSSE, Hugues. Climate system dynamics and modelling.</u> New York: Cambridge University Press, 2015, xviii, 358 stran. ISBN 978-1-107-44583-3.</p>
	<p><u>GRUS, Joel. Data science from scratch.</u> Beijing: O'Reilly, 2015, xvi, 311 stran. ISBN 978-1-491-90142-7.</p>
	<p><u>HANDLOVIČOVÁ, Angela, Zuzana MINARECHOVÁ a Daniel ŠEVČOVIČ. Algoritmy 2012: 19th conference on scientific computing, Vysoké Tatry - Podbanské, Slovakia, September 9-14, 2012 : proceedings of contributed papers and posters.</u> Bratislava: Slovak University of Technology, [2012]., 447 stran. ISBN 978-80-227-3742-5.</p>

## Novinky ve fondu knihovny ÚI za rok 2015

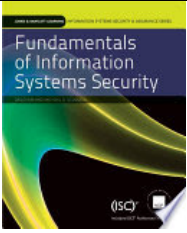

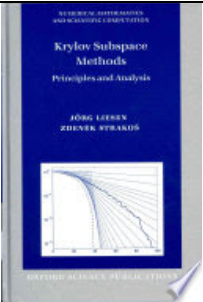
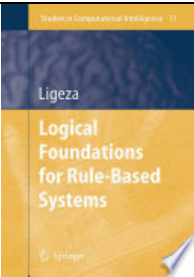
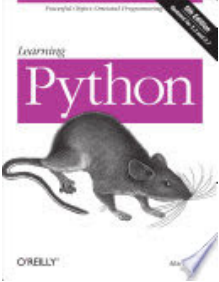

	<p><u>HASTIE, Trevor, Robert TIBSHIRANI a Jerome FRIEDMAN. The elements of statistical learning: data mining, inference, and prediction. 2nd ed. New York: Springer, 2009, xxi, 745 s. ISBN 978-0-387-84857-0.</u></p>
	<p><u>HENDL, Jan. Statistika v aplikacích. Praha: Portál, 2014, 455 stran. ISBN 978-80-262-0700-9.</u></p>
	<p><u>HIGHAM, Nicholas J, Mark R DENNIS, Paul GLENDINNING, Paul A MARTIN, Fadil SANTOSA a Jared TANNER. The Princeton companion to applied mathematics. Princeton: Princeton University Press, 2015, xvii, 994 stran. ISBN 978-0-691-15039-0.</u></p>
	<p><u>HIRSCH, Morris W. Differential topology. 1st edition. New York: Springer-Verlag, 1976, x, 222 stran. ISBN 978-1-4684-9451-8.</u></p>
	<p><u>CHAN, Alvin T, Stephen C CHAN, Hong Va LEONG a Vincent T NG. Cooperative internet computing. New York: Springer Science+Business Media, LLC, 2003, vii, 258 stran. ISBN 978-1-4613-5075-0.</u></p>
	<p><u>CHLEBOUN, Jan, Petr PŘIKRYL, Karel SEGETH, Jakub ŠÍSTEK a Tomáš VEJCHODSKÝ. Programs and algorithms of numerical mathematics 17: proceedings of seminar : Dolní Maxov, June 8-13, 2014. Prague: Institute of Mathematics, Academy of Sciences of the Czech Republic, 2015, 247 stran. ISBN 978-80-85823-64-6.</u></p>

## Novinky ve fondu knihovny ÚI za rok 2015

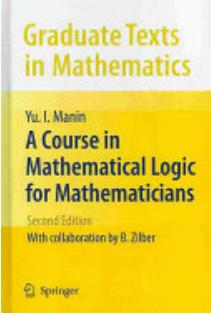
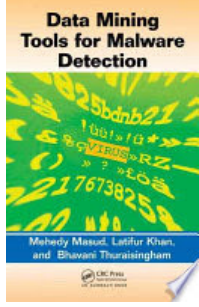
	<p><u>ITALIANO, Giuseppe F, Tiziana MARGARIA-STEFFEN, Jaroslav POKORNÝ, Jean-Jacques QUISQUATER, Roger WATTENHOFER a Roman ŠPÁNEK. SOFSEM 2015: theory and practice of computer science ; 41st international conference on current trends in theory and practice of computer science ; Pec pod Sněžkou, Czech Republic, January 24-29, 2015 : proceedings. Prague: Institute of Computer Science AS CR, 2015, x, 161 stran. ISBN 978-80-87136-20-1.</u></p>
	<p><u>ITALIANO, Giuseppe F, Tiziana MARGARIA-STEFFEN, Jaroslav POKORNÝ, Jean-Jacques QUISQUATER a Roger WATTENHOFER. SOFSEM 2015: theory and practice of computer science ; 41st international conference on current trends in theory and practice of computer science ; Pec pod Sněžkou, Czech Republic, January 24-29, 2015 : proceedings. Heidelberg: Springer, [2015]., xv, 616 stran. ISBN 978-3-662-46077-1.</u></p>
	<p><u>ITŌ, Masami. Algebraic theory of automata and languages. New Jersey: World Scientific, [2004], x, 199 stran. ISBN 981-02-4727-3.</u></p>
	<p><u>JAIN, Anil K, Arun A ROSS a Karthik NANDAKUMAR. Introduction to biometrics. New York: Springer, [2011]., xvi, 311 stran. ISBN 978-0-387-77325-4.</u></p>
	<p><u>KANTOR, Ida, Jiří MATOUŠEK a Robert ŠÁMAL. Mathematics++: selected topics beyond the basic courses. Providence: AMS American Mathematical Society, 2015, xii, 343 stran. ISBN 978-1-4704-2261-5.</u></p>
	<p><u>KACPRZYK, Janusz a Witold PEDRYCZ. Springer handbook of computational intelligence. Dordrecht: Springer, 2015, lvi, 1633 stran. ISBN 978-3-662-43504-5.</u></p>
	<p><u>KEMBELLEC, Gérald, Ghislaine CHARTRON a Imad SALEH. Recommender systems. London: ISTE, 2014, xvi, 232 stran. ISBN 978-1-84821-768-3.</u></p>



## Novinky ve fondu knihovny ÚI za rok 2015

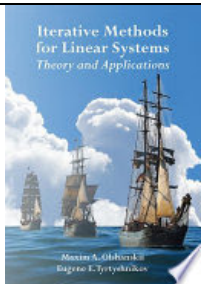
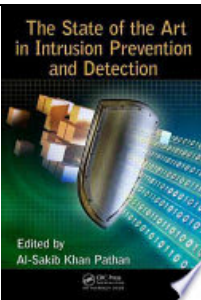
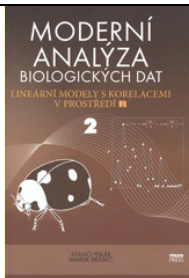
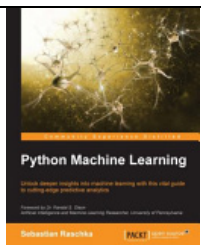

	<p><u>KIM, David a Michael G SOLOMON. Fundamentals of information systems security.</u> Sudbury: Jones &amp; Bartlett Learning, [2012]., iii-xxii, 514 stran. ISBN 978-0-7637-9025-7.</p>
	<p><u>LAW, Kody, Andrew STUART a Konstantinos ZYGALAKIS. Data assimilation: a mathematical introduction.</u> Cham: Springer, 2015, xviii, 242 stran. ISBN 978-3-319-20324-9.</p>
	<p><u>LIESEN, Jörg a Zdeněk STRAKOŠ. Krylov subspace methods: principles and analysis.</u> Oxford: Oxford University Press, c2013, xv, 391 s. ISBN 978-0-19-965541-0.</p>
	<p><u>LIGEZA, Antoni. Logical foundations for rule-based systems. Second edition.</u> Berlin: Springer, 2006, xx, 309 stran. ISBN 978-3-540-29117-6.</p>
	<p><u>LUTZ, Mark. Learning Python. 5th ed.</u> Sebastopol: O'Reilly, 2013, 1540 s. ISBN 978-1-449-35573-9.</p>
	<p><u>MÁLEK, Josef a Zdeněk STRAKOŠ. Preconditioning and the conjugate gradient method in the context of solving PDEs.</u> Philadelphia: SIAM-Society for Industrial and Applied Mathematics, [2015]., ix, 104 stran. ISBN 978-1-611973-83-9.</p>

## Novinky ve fondu knihovny ÚI za rok 2015



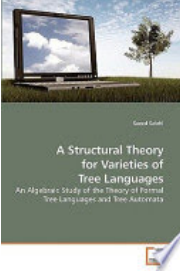
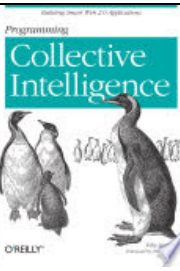
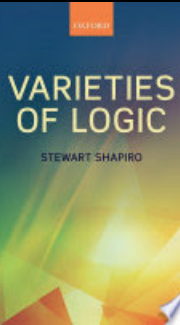


	<p><u>MANIN, Jurij Ivanovič a Boris ZILBER. A course in mathematical logic for mathematicians.</u> Second edition. Přeložil Neal Koblitz. New York: Springer, 2010, x, 384 stran. ISBN 978-1-4419-0614-4.</p>
	<p><u>MASUD, Mehedy, Latifur KHAN a Bhavani M THURAISSINGHAM. Data mining tools for malware detection.</u> Boca Raton: CRC Press, 2012, xxx, 419 s. ISBN 978-1-4398-5454-9.</p>
	<p><u>MCKINNEY, Wes. Python for data analysis.</u> Beijing: O'Reilly, 2013, xiii, 447 stran. ISBN 978-1-449-31979-3.</p>
	<p><u>NEDERPELT, Rob a Herman GEUVERS. Type theory and formal proof: an introduction.</u> Cambridge: Cambridge University Press, 2014, xxv, 436 stran. ISBN 978-1-107-03650-5.</p>
	<p><u>NEDOMA, Jiří a Jiří STEHLÍK. Mathematical and computational methods in biomechanics of human skeletal systems: an introduction.</u> Hoboken, N.J.: Wiley-Interscience, c2011, xix, 572 s. ISBN 978-0-470-40824-7.</p>
	<p><u>NEELIN, J. Climate change and climate modeling.</u> 1. vyd. Cambridge: Cambridge University Press, 2011, xv, 282 s. ISBN 978-0-521-60243-3.</p>



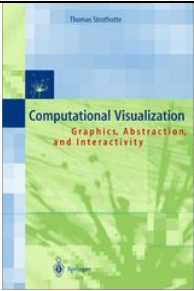

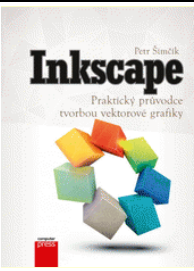

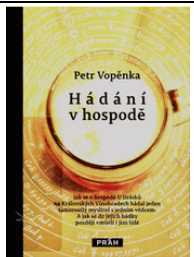

## Novinky ve fondu knihovny ÚI za rok 2015

	<u>NOVÁK, Mikro. Syntéza frekvenčních filtrů. 1. vyd. Praha: Academia, 1966, 271 s.</u>
	<u>NOVÁK, Mirko. Teorie tolerancí soustav. Praha: Academia, 1987, 340 s.</u>
	<u>OLSHANSKII, Maxim A a Jevgenij Jevgen'jevič TYRTYŠNIKOV. Iterative methods for linear systems: theory and applications. Philadelphia: SIAM - Society for Industrial and Applied Mathematics, 2014, xvi, 247 stran. ISBN 978-1-611973-45-7.</u>
	<u>PATHAN, Al-Sakib Khan. State of the art in intrusion prevention and detection. Boca Raton: CRC Press, 2014, xvii, 496 stran. ISBN 978-1-4822-0351-6.</u>
	<u>PEKÁR, Stanislav a Marek BRABEC. Moderní analýza biologických dat. 1. vyd. Brno: Masarykova univerzita, 2012, viii, 256 s. ISBN 978-80-210-5812-5.</u>
	<u>RASCHKA, Sebastian. Python machine learning : unlock deeper insights into machine learning with this vital guide to cutting-edge predictive analysis. Birmingham: Packt Publishing, 2015, xiii, 425 stran. ISBN 978-1-78355-513-0.</u>
	<u>RUTKOWSKI, Leszek, Marcin KORYTKOWSKI, Rafal SCHERER, Ryszard TADEUSIEWICZ, Lotfi Asker ZADEH a Jacek M ZURADA. Artificial intelligence and soft computing: 13th international conference, ICAISC 2014, Zakopane, Poland, June 1-5, 2014 : proceedings. Cham: Springer, [2014]., xxvii, 822 stran. ISBN 978-3-319-07175-6.</u>
	<u>RUTKOWSKI, Leszek, Marcin KORYTKOWSKI, Rafal SCHERER, Ryszard TADEUSIEWICZ, Lotfi Asker ZADEH a Jacek M ZURADA. Artificial intelligence and soft computing: 13th international conference, ICAISC 2014, Zakopane, Poland, June 1-5, 2014 : proceedings. Cham: Springer, [2014]., xxvii, 820 stran. ISBN 978-3-319-07172-5.</u>



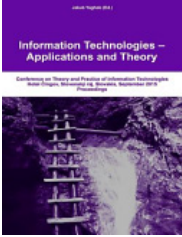
## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>RUTKOWSKI, Leszek, Marcin KORYTKOWSKI, Rafal SCHERER, Ryszard TADEUSIEWICZ, Lotfi Asker ZADEH a Jacek M ZURADA. Artificial intelligence and soft computing: 14th international conference, ICAISC 2015, Zakopane, Poland, June 14-18, 2015 : proceedings.</u> Cham: Springer, [2015]., xxvi, 804 stran. ISBN 978-3-319-19323-6.</p>
	<p><u>RUTKOWSKI, Leszek, Marcin KORYTKOWSKI, Rafal SCHERER, Ryszard TADEUSIEWICZ, Lotfi Asker ZADEH a Jacek M ZURADA. Artificial intelligence and soft computing: 14th international conference, ICAISC 2015, Zakopane, Poland, June 14-18, 2015 : proceedings.</u> Cham: Springer, [2015]., xxv, 814 stran. ISBN 978-3-319-19368-7.</p>
	<p><u>SALEHI, Saeed. A structural theory for varieties of tree languages: an algebraic study of the theory of formal tree languages and tree automata.</u> Saarbrücken: VDM Verlag Dr. Müller, 2010, iv, 151 stran. ISBN 978-3-639-23055-0.</p>
	<p><u>SEGARAN, Toby. Programming collective intelligence: building smart web 2.0 applications.</u> Beijing: O'Reilly, c2007, xxi, 334 s. ISBN 978-0-596-52932-1.</p>
	<p><u>SHAPIRO, Stewart. Varieties of logic.</u> First edition. Oxford: Oxford University Press, 2014, 226 stran. ISBN 978-0-19-969652-9.</p>
	<p><u>Software and algorithms of numerical mathematics: proceedings of the XIVth summer school.</u> Pilsen: University of West Bohemia, 2002, vi, 238 stran. ISBN 80-7082-898-6.</p>
	<p><u>STENNING, Keith a Michiel van LAMBALGEN. Human reasoning and cognitive science.</u> Cambridge, Massachusetts: The MIT Press, 2012, xii, 407 stran. ISBN 978-0-262-51759-1.</p>

## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>STROTHOTTE, Thomas. Computational visualisation: graphics, abstraction and interactivity.</u> Berlin: Springer-Verlag, [1998]., xxiii, 459 stran. ISBN 3-540-63737-0.</p>
	<p><u>SUSSMAN, Gerald Jay a Jack WISDOM. Structure and interpretation of classical mechanics.</u> Second edition. Cambridge: The MIT Press, 2015, xxi, 554 stran. ISBN 978-0-262-02896-7.</p>
	<p><u>ŠEBESTA, Václav. Využití neuronových sítí a optimalizace jejich topologie pro zvýšení kvality a spolehlivosti: habilitační práce.</u> Praha: [nakladatel není známý], 2001, 43 stran, 9 nestránkovaných příloh.</p>
	<p><u>ŠIMČÍK, Petr. Inkscape: praktický průvodce tvorbou vektorové grafiky.</u> Brno: Computer Press, 2013, 296 stran. ISBN 978-80-251-3813-7.</p>
	<p><u>VALEŠKA, Jan. Slovník anglických frázových sloves a odvozených jmenných složenin.</u> Praha: Argo, 2014, 970 stran. ISBN 978-80-257-1011-1.</p>
	<p><u>VOPĚNKA, Petr. Hádání v hospodě: jak se v hospodě U Jirásků na Královských Vinohradech hádal jeden samostatný myslitel s jedním vědcem a jak se do jejich hádky později vmísili i jiní lidé.</u> Praha: Práh, 2013, 241 s. ISBN 978-80-7252-428-0.</p>
	<p><u>VOPĚNKA, Petr. Horizonty nekonečna: matematický pohled na svět.</u> Praha: Moraviapress, 2004, 168 s. ISBN 80-86181-66-9.</p>

## Novinky ve fondu knihovny ÚI za rok 2015

	<p><u>VOPĚNKA, Petr. Příležitostné rozpravy s matematikou. 2. vyd. Kanina: OPS, 2014, 277 s. ISBN 978-80-87269-37-4.</u></p>
	<p><u>VOPĚNKA, Petr a Marie BENEDIKTOVÁ. Uvedení do obecné topologie a jejích dějin do roku 1960. 2. vydání. Červený Kostelec: Pavel Mervart, 2015, 290 stran. ISBN 978-80-7465-144-1.</u></p>
	<p><u>YAGHOB, Jakub. ITAT 2015: information technologies - applications and theory ; proceedings of the 15th conference ITAT 2015 ; Slovenský Raj, Slovakia, September 17-21, 2015. Charleston, SC: Createspace independent publishing platform, 2015, vi, 199 stran. ISBN 978-1515120650.</u></p>
	<p><u>ZVÁROVÁ, Jana. Lékařská informatika. Praha: Karolinum, 1992, 123 stran. ISBN 80-7066-622-6.</u></p>