

List of publications of István Fazekas

Papers in journals abstracted by MR and/or Zbl

- [1] Fazekas, István, Convergence of vector-valued martingales with multidimensional indices, *Publ. Math. Debrecen*, **30**, no.1-2, 157–164, (1983). MR 0733082 (85c:60065), Zbl 0548.60006.
- [2] Fazekas, István, On characterizations of the normal law in Hilbert space, *Publ. Math. Debrecen*, **30**, no.3-4, 311–319, (1983). MR 0739493 (86a:60005), Zbl 0536.62004.
- [3] Fazekas, István, Quadratic statistics in Hilbert space, *Publ. Math. Debrecen*, **31**, no.3-4, 171–179, (1984). MR 0784968 (86g:62021), Zbl 0598.62013.
- [4] Fazekas, István, On convergence of multiparameter strong submartingales in Banach lattices, *Anal. Math.*, **10**, no.3, 207–212, (1984). MR 0777572 (86j:60018), Zbl 0562.60056.
- [5] Fazekas, István, Convergence rates in the Marcinkiewicz strong law of large numbers for Banach space valued random variables with multidimensional indices, *Publ. Math. Debrecen*, **32**, no.3-4, 203-209, (1985). MR 0834771 (88c:60024), Zbl 0607.60005.
- [6] Fazekas, István, On the convergence of linear martingales, *Publ. Math. Debrecen*, **34**, no.1-2, 99–104, (1987). MR 0901010 (88m:60274), Zbl 0628.60058.
- [7] Fazekas, István, The law of the iterated logarithm in Banach spaces of type Φ . *Publ. Math. Debrecen*, **36**, no.1-4, 65–74, (1990). MR 1047019 (91i:60015), Zbl 0696.60006.
- [8] Fazekas, István, Convergence rates in the law of large numbers for arrays. *Publ. Math. Debrecen*, **41**, no.1-2, 53–71, (1992). MR 1179123 (93j:60005), Zbl 0772.60019.
- [9] Fazekas, I. Hellinger transform of Gaussian autoregressive processes. *Comput. Math. Appl.* **27**, no.7, 15–21, (1994). MR 1265394 (94m:60088), Zbl 0799.60033.
- [10] Fazekas, I. Maximum likelihood estimators of parameters of multidimensional stationary Gaussian AR processes. *Comput. Math. Appl.* **27**, no.8, 19–24, (1994). MR 1270772 (94m:62224), Zbl 0811.62079.
- [11] Fazekas, I. and Liese, F., Some properties of the Hellinger transform and its application in classification problems. *Comput. Math. Appl.* **31**, no.8, 107–116, (1996). MR 1385554 (98d:60034), Zbl 0854.60038.
- [12] Fazekas, I. and Kukush, A. G., Asymptotic properties of an estimator in nonlinear functional errors-in-variables models with dependent error terms. *Comput. Math. Appl.* **34**, no.10, 23-39, (1997). MR 1487730 (99d:62066), Zbl 0911.62054.
- [13] Fazekas, István, A note on 'optimal measures'. *Publ. Math. Debrecen*, **51**, no.3-4, 273–277, (1997). MR 1485223, Zbl 0912.28009.
- [14] Fazekas, István and Tómács, Tibor, Strong laws of large numbers for pairwise independent random variables with multidimensional indices. *Publ. Math. Debrecen*, **53**, no.1-2, 149–161 (1998). MR 1661026 (99k:60039), Zbl 0913.60026.

- [15] Chuprunov, Alexey and Fazekas, István, Almost sure versions of some analogues of the invariance principle. *Publ. Math. Debrecen*, **54**, no.3-4, 457–471 (1999). MR 1694460 (2000d:60058), Zbl 0930.60017.
- [16] Fazekas, István and Baran, Sándor and Kukush, Alexander and Lauridsen, Jørgen, Asymptotic properties in space and time of an estimator in nonlinear functional errors-in-variables models. *Random Oper. Stochastic Equations*, **7**, no.4, 389-412, (1999). MR 1709899 (2000i:62067), Zbl 0953.62061.
- [17] Fazekas, I. and Baran, S. and Lauridsen, J., Asymptotic properties of an estimator in errors-in-variables models in the presence of validation data. *Comput. Math. Appl.* **38**, no.5-6, 31-39, (1999). MR 1707825, Zbl 1043.62524.
- [18] Fazekas, I. and Kukush, A. G. and Tómács, T., On the Rosenthal inequality for mixing fields. *Ukraïn. Mat. Zh.* **52**/2, 266–276 (2000). MR 1752840 (2001g:60122), Zbl 0986.60042.
- [19] Fazekas, I. and Klesov, O. I. A general approach to the strong laws of large numbers. *Theory of Probability Applications*, **45**, no.3, 568-583, (2000). MR 1967791 (2003k:60066), Zbl 0991.60021.
- [20] Fazekas, István and Kukush, Alexander G. Infill asymptotics inside increasing domains for the least squares estimator in linear models. *Stat. Inference Stoch. Process.* **3**, no.3, (2000), 199–223. MR 1819396 (2002c:62139), Zbl 0982.62078.
- [21] Fazekas, I. and Rychlik Z. Almost sure functional limit theorems. *Ann. Univ. M. Curie-Skłodowska, LVI*, no.1, 1–18, (2002). MR 1984603 (2004d:60077), Zbl 1050.60039.
- [22] Fazekas, I. Limit theorems for the empirical distribution function in the spatial case. *Stat. Probab. Letters*. **62**, 251–262 (2003). MR 1966377 (2004b:60096), Zbl 1116.60324
- [23] Fazekas, I. and Chuprunov, A. Almost sure limit theorems for the Pearson statistic. *Theory Probab. Appl.* **48**, 162–169 (2003). MR 2013411 (2004h:60040), Zbl 1057.60027.
- [24] Fazekas, I. and Rychlik Z. Almost sure central limit theorems for random fields. *Math. Nachr.* **259**, 12–18 (2003). MR 2009333 (2004i:60035), Zbl 1028.60019.
- [25] Fazekas, I. and Chuprunov, A. A central limit theorem for random fields. *Acta Mathematica Academiae Paedagogicae Nyíregyháziensis*. **20** no. 1, 93–104 (2004). MR 2129673 (2006a:60036), Zbl 1064.60036.
- [26] Fazekas, I., Kukush, A. and Zwanzig, S. Correction of nonlinear orthogonal regression estimator. *Ukrainian Mathematical Journal*, **56**, 8, 1101–1118 (2004). MR 2136312 (2006g:62065), Zbl 1070.62053.
- [27] Fazekas, I. and Chuprunov, A. Almost sure limit theorems for random allocations. *Studia Sci. Math. Hungar.*, **42**(2), 173–194 (2005). MR 2146150 (2006b:60051), Zbl 1098.60029
- [28] Chuprunov, A. and Fazekas, I. Integral analogues of almost sure limit theorems. *Periodica Mathematica Hungarica*, **50**(1-2), 61–78 (2005). MR 2162800

(2006k:60030) , Zbl 1104.60013

[29] Chuprunov, A. and Fazekas, I. Inequalities and strong laws of large numbers for random allocations. *Acta Math. Hung.* **109**(1-2), 163–182 (2005). MR2174245 (2006i:60010), Zbl 1120.60300

[30] Fazekas, I. and Rychlik, Z. Almost sure limit theorems for semi-selfsimilar processes. *Probability and Mathematical Statistics*. **25**(2), 241–255 (2005). MR2282524 (2007k:60094), Zbl 1122.60033

[31] Fazekas, I. Burkholder’s inequality for multiindex martingales. *Annales Mathematicae et Informaticae*. **32**, 45–51 (2005). MR2264866 (2008a:60105), Zbl 1111.60025

[32] Fazekas, I. and Kukush, A. G. Kriging and measurement errors. *Discussiones Mathematicae, Probability and Statistics*, **25**, 139–159 (2005). MR2227953, Zbl 1132.62382

[33] Fazekas, I. and Chuprunov, A. Asymptotic normality of kernel type density estimators for random fields. *Stat. Inference Stoch. Process.* **9**(2), 161–178 (2006). MR2249181 (2007k:62072), Zbl 1110.62050

[34] I. Fazekas and A. Chuprunov, An almost sure functional limit theorem for the domain of geometric partial attraction of semistable laws. *J. Theoretical Probability*, **20** (2), 339–353 (2007). MR2324535 (2008e:60079), Zbl 1134.60026

[35] Chuprunov, A. and Fazekas, I.: Strong laws of large numbers for random forests. *Acta Mathematica Hungarica*, **124**(1-2), 59–71 (2009). Zbl 1212.60031, MR2520617 (2010k:60109)

[36] Chuprunov, A.; Fazekas, I. An inequality for moments and its applications to the generalized allocation scheme. *Publ. Math. Debrecen* **76** (2010), no. 3-4, 271–286. MR2664940 (2011c:60068), Zbl 1240.60057

[37] Chuprunov, A.; Fazekas, I. An exponential inequality and strong limit theorems for conditional expectations. *Period. Math. Hungar.* **61** (2010), no. 1-2, 103–120. Zbl 1249.60045, MR2728434 (2012a:60076)

[38] Fazekas, I.; Karácsony, Zs.; Libor, Zs. Longest runs in coin tossing. Comparison of recursive formulae, asymptotic theorems, computer simulations. *Acta Univ. Sapientiae Math.* **2** (2010), no. 2, 215228. MR2748470 (2011k:60024), Zbl 1277.60019

[39] Fazekas, I.; Chuprunov, A. and Túri, J. Inequalities and limit theorems for random allocations. *Ann. Univ. M. Curie-Skłodowska*, **65**, No.1 (2011) 69-85. Zbl 1253.60026, MR2825152 (2012g:60076)

[40] Fazekas, I. A random walk on the plane. *Annales Univ. Sci. Budapest. Sectio Mathematica* **54** (2011), 97–102. MR2884698

[41] Fazekas, I., Karácsony, Zs., Libor Józsefné. A leghosszabb szériák vizsgálata. *Alk. Mat. Lap.* **27** (2010), 135–156. MR2893878 (2012j:60020)

[42] Fazekas, I.; Túri, J. A limit theorem for random allocations. *J. Mathematical Research*, **4**, No. 1 (2012), 17–20. MR2903571, Zbl 1263.60004

[43] Fazekas, I. Merging to semistable processes. *Teor. Veroyatnost. i Primenen.*

56, No.4 (2011), 726–741. *Theory Probab. Appl.* **56**, No. 4, 621–633 (2012). MR3137066, Zbl 1268.60044

[44] A. Kukush, S. Baran, I. Fazekas and E. Usoltseva, Simultaneous estimation of baseline hazard rate and regression parameters in Cox proportional hazards model with measurement error. *Journal of Statistical Research*, **45**, N2 (2011), 77–94. MR2934363

[45] Chuprunov, A.; Fazekas, I. An analogue of the generalised allocation scheme: limit theorems for the number of cells containing a given number of particles (Russian) *Discret. Mat.* **24**, No.1 (2012), 140–158. Translation in *Discrete Math. Appl.* **22** (2012), no. 1, 101–122. MR2964296, Zbl 1274.60088

[46] Chuprunov, A. N.; Fazekash, I. On a generalized allocation scheme with a random number of particles. (Russian) *Diskret. Mat.* **24** (2012), no. 2, 149–153; translation in *Discrete Math. Appl.* **22** (2012), no. 2, 235–240. MR3051762, Zbl 1274.60027

[47] Chuprunov, A. N.; Fazekash, I. An analogue of the generalized allocation scheme: limit theorems for the maximum cell size. (Russian) *Diskret. Mat.* **24** (2012), no. 3, 122–129; translation in *Discrete Math. Appl.* **22** (2012), no. 3, 307–314. MR3057653, Zbl 1266.60040

[48] Fazekas, I.; Porvázsnyik, B. Scale-free property for degrees and weights in a preferential attachment random graph model. *J. Probab. Stat.* 2013, Art. ID 707960, 12 pp. MR3116354 indexed

[49] Chuprunov, A.; Fazekas, I. Strong limit theorems in the multi-color generalized allocation scheme. *Publ. Math. Debrecen* **85** (2014), no. 3-4, 361–372. MR3291835.

[50] Fazekas, I.; Porvázsnyik, B. Some limit theorems for generalized allocation schemes. *Miskolc Mathematical Notes* **16** (2015), no.2, 817–832.

[51] T.C. Christofides, I. Fazekas, M. Hadjikyriakou. Conditional acceptability of random variables. *Journal of Inequalities and Applications* **2016:149** (2016), pp. 18.

[52] Fazekas, I.; Porvázsnyik, B. Limit theorems for the weights and the degrees in an N-interactions random graph model. *Open Mathematics*, **14** (2016), no.1, 414–424.

Papers in conference volumes abstracted by MR and/or Zbl

[1] Fazekas, I. Marcinkiewicz strong law of large numbers for B -valued random variables with multidimensional indices. *Statistics and probability (Visegrád, 1982)*, 53–61, Reidel, Dordrecht, 1984. MR 0759000, Zbl 0549.60010.

[2] Fazekas, I. On the convergence of regression type martingale fields, *Probability theory and mathematical statistics with applications (Visegrád, 1985)*, 43–52, Reidel, Dordrecht, 1988. MR 0956683 (89j:60063), Zbl 0674.60050.

[3] Fazekas, István, A strong law of large numbers in Banach spaces of type Φ , *Mathematical statistics and probability theory, Vol. A (Bad Tatzmannsdorf, 1986)*, 89–97, Reidel, Dordrecht, 1987. MR 0922689 (89a:60023), Zbl 0633.60011.

- [4] Fazekas, István, On Banach spaces of type Φ . *Function spaces (Poznań, 1986)*, Teubner-Texte Math. **103**, 20–25, Leipzig, (1988). MR 1066510 (91f:46022), Zbl 0693.46009.
- [5] Fazekas, I. Complete convergence for Banach space valued random variables. *New trends probab. math. statist. Proc. Second Ukrainian-Hungarian Conf. (1992)*, (edited by M. Arató and M. I. Yadrenko), 66–76, TBiMC, Kiev, 1995. Zbl 1029.60508.
- [6] Fazekas, I. and Klesov, O. I. Limit laws for sums of independent random variables on sets. *Theory of Stochastic Processes*, Vol. **2**(18), no.1-2, 137–149, (1996). Zbl 0893.60021.
- [7] Fazekas, I. Asymptotic properties of maximum likelihood estimators of parameters of a spatio-temporal econometric model. *Theory of Stochastic Processes*, Vol. **2**(18), no.1-2, 124–136, (1996). Zbl 0892.62089.
- [8] Klesov, O., Fazekas, I., Noszály, Cs. and Tómács, T. Strong laws of large numbers for sequences and fields. *Theory of Stochastic Processes*, Vol. **5**(21), no.3-4, 91–104, (1999). MR 2018403 (2004i:60037), Zbl 0993.60030.
- [9] Chuprunov, A. and Fazekas, I. Convergence of random step lines to Ornstein-Uhlenbeck-type processes. Proceedings of the 18th Seminar on Stability Problems for Stochastic Models, Part I (Hajdúszoboszló, 1997), *J. Math. Sci. (New York)*, **92**, no.3, (1998), 3881–3889. MR 1666215 (2000a:60068), Zbl 0928.60012.
- [10] Fazekas, I. and Kukush, A. G., Asymptotic properties of estimators in nonlinear functional errors-in-variables models with dependent error terms. Proceedings of the 18th Seminar on Stability Problems for Stochastic Models, Part I (Hajdúszoboszló, 1997), *J. Math. Sci. (New York)*, **92**, no.3, (1998) 3890–3895. MR 1666219 (99i:62142), Zbl 0919.62062.
- [11] Fazekas, I. and Lauridsen, J. On the Lagrange multiplier test for spatial correlation in econometric models. Proceedings of the 18th Seminar on Stability Problems for Stochastic Models, Part III (Hajdúszoboszló, 1997). *J. Math. Sci. (New York)*, **93**, no.4, 515–520, (1999). MR 1887825 (2003d:62052), Zbl 0927.62013.
- [12] Fazekas, I. and Kukush, A. G. Errors-in-variables and kriging. Proceedings of the 4th International Conference on Applied Informatics, Eger, 1999, 261–273. Zbl 1003.6208.
- [13] Chuprunov, A. and Fazekas, I. Almost sure versions of some functional limit theorems. Proceedings of the 21st Seminar on Stability Problems for Stochastic Models. *J. Math. Sci. (New York)*, **111**, no.3, 3528–3536, (2002). MR 1945197 (2003i:60045), Zbl 1005.60047.
- [14] Fazekas, I. and Kukush, A. A central limit theorem for mixing random fields and its statistical applications. *Limit theorems in Probability and Statistics, II*, ed. I. Berkes, E. Csáki, M. Csörgő (Proc. Conf. Limit Theorems, Balatonlelle, Hungary, 1999), pp. 59–75, (2002). MR 1979985 (2004f:60050), Zbl 1023.60030.
- [15] Fazekas, I. Central limit theorems for kernel type density estimators. *Proc. 7th Internat. Conf. Appl. Informatics*, Eger, Hungary, 2007. Vol. 1, pp. 209–219. Zbl 1181.62043

- [16] I. Fazekas, Zs. Karácsony, R. Vas, Joint asymptotic normality of the kernel type density estimator for spatial observations. *Ann. Math. Inf.* **39** (2012), 45–56. Zbl 1265.60024, MR2959880
- [17] I. Fazekas, B. Porvázsnyik, A generalized allocation scheme. *Ann. Math. Inf.* **39** (2012), 57–70. Zbl 1265.60009, MR2959881
- [18] I. Fazekas, T. Tómács. On weighted averages of double sequences. *Ann. Math. Inf.* **39** (2012), 71–81. Zbl 1265.40023, MR2959882
- [19] Fazekas, I. On a general approach to the strong laws of large numbers. *J. Math. Sci. (N. Y.)* **200** (2014), no. 4, 411–423. MR3228339
- [20] Fazekas, I.; Pecsora S. A generalization of the Barabási-Albert random tree. *Annales Mathematicae et Informaticae* **44** (2015), 71–85.
- [20] Fazekas, I.; Noszály, Cs.; Perecsényi, A. Weights of Cliques in a Random Graph Model Based on Three-Interactions. *Lithuanian Mathematical Journal* **55/2** (2015), 207–221.
- [21] I. Fazekas, B. Porvázsnyik. Scale-Free Property for Degrees and Weights in an N-Interactions Random Graph Model. *Journal of Mathematical Sciences* **214** (2016) no. 1, 69–82.

Other papers in journals and in conference volumes

- [1] Fazekas, I.; Tómács, T. A valószínűségszámítás szemléletes oktatása. *A matematika tanítása*, **IV/4**, 8–11, (1996).
- [2] Fazekas, I. and Kukush, A. Asymptotic properties of estimators in nonlinear functional errors-in-variables models with dependent error terms. In *Symposium on the expansion method*, ed. Gustav Kristensen, 188–195, Odense University (1996).
- [3] Fazekas, I., Baran, S. and Lauridsen, J. Estimators and tests in some regression models. In *Proceedings of the 3rd International Conference on Applied Informatics*, Eger, 1997, Vol.1, 59–68.
- [4] Fazekas, I. and Chuprunov, A. The Asymptotic Covariance of Kernel Type Density Estimators for Random Fields. *Proc. 6th International Conference on Applied Informatics*, Eger, Hungary, January 27–31, 2004, Vol. I. pp. 97-107.
- [5] Fazekas, I. and Kukush, A. Nonparametric Regression and Measurement Error. *Proc. 8th Internat. Conf. Appl. Informatics*, Eger, Hungary, 2010. Vol. 1, pp. 247-253.
- [6] Kukush, A. and Fazekas, I. Kriging and prediction of nonlinear functionals. *Austrian Journal of Statistics*, **34**(2), 175-184 (2005).
- [7] Antal, P., Bátfai, N., Fazekas, I., Jeszenszky, P. The mobiDIAK educational portal. *Journal of Universal Computer Science*, **12** (9), 1118–1127 (2006).
- [8] I. Fazekas and P. Filzmoser, A functional central limit theorem for kernel type density estimators. *Austrian Journal of Statistics*, **35**(4), 409–415 (2006).
- [9] I. Fazekas, Zs. Karácsony, R. Vas, A Central Limit Theorem for Spatial Observations. *Austrian J. Statist.* **41** No.3 (2012), 227–239.
- [10] I. Fazekas, B. Porvázsnyik: The asymptotic behaviour of the weights and the

degrees in an N-interactions random graph model arXiv preprint arXiv:1405.1267 (2014)

[11] I. Fazekas, Cs. Noszaly, A. Perecsenyi: A population evolution model and its applications to random networks. arXiv preprint arXiv:1604.01579 (2016)

Edited conference volumes

[1] Arato, M., Bagchi, A. and Fazekas, I. (editors), Optimization of stochastic systems with applications in computer science. *Computers and Mathematics Appl.* **19**, no.1, (1990). Zbl 0676.00014.

[2] Fazekas, I. and Terdik, Gy. (editors) Proceedings of the Conference on Stochastic Models and their Applications, Debrecen, 2011. *Ann. Math. Inf.* **39** (2012).

Megemkezs

Arato, M.; Fazekas, G.; Fazekas, I.; Kormos, J.; Pap, G. In memory of Bela Gyires (March 29, 1909–August 26, 2001). *Publ. Math. Debrecen*, **60**(3-4), 235–244 (2002). MR 1898562 (2003b:01041. Zbl 0676.00014

Preprints cited

[1] I. Fazekas, R. Florax, H. Folmer: On maximum likelihood estimators of parameters of spatio-temporal econometric processes. *Technical Report*, No. 109, Kossuth University, Debrecen, Hungary (1994).

[2] Fazekas, I.; Roszjar, A. On tests of two-dimensional normality. *Technical Report*, No. 153, Kossuth University, Debrecen, Hungary (1995).

[3] Fazekas, I. and Klesov, O. I. A general approach to the strong law of large numbers. *Technical Report*, **4**/1998, Universitas Debrecen.

[4] Fazekas, I., Kukush, A. and Zwanzig, S. On inconsistency of the least squares estimator in nonlinear functional relations. *Research Report*, No. 1/1998, pp. 30, Department of Statistics and Demography, Odense University, Denmark.

Talks at international conferences and abstracts (non complete list)

[1] Fazekas, I. On convergence of multivariate strong martingales in Banach spaces. *Third Internat. Conf. Probab. Th. Vector Spaces*, Abstracts, p. 6, Lublin, 1983.

[2] Fazekas, I., Florax, R. and Folmer, H. On maximum likelihood estimators of parameters of spatio-temporal econometric models. *34th European Congress of Regional Science Association*, Abstracts, p. 86, Groningen (1994).

[3] Fazekas, I. Hellinger transform of Gaussian autoregressive processes. *XVI Seminar on Stability Problems of Stochastic Models*. Abstracts, p. 22 (1994).

[4] Klesov, O.I. and Fazekas, I. Bounds for moments of weighted sums of random variables (Russian). 18th Seminar on Stability Problems for Stochastic Models, (Hajduszoboszl, 1997). *Theory Probab. Appl.* **42**, 401-402 (1997).

- [5] Fazekas, I. and Kukush, A.G. Asymptotic properties of estimators in nonlinear functional errors-in-variables models with dependent error terms. 18th Seminar on Stability Problems for Stochastic Models, (Hajdúszoboszló, 1997). *Theory Probab. Appl.* **42**, 430-431 (1997).
- [6] Fazekas, I. and Lauridsen, J. On the Lagrange multiplier test for spatial correlation in econometric models. 18th Seminar on Stability Problems for Stochastic Models, (Hajdúszoboszló, 1997). *Theory Probab. Appl.* **42**, 431-432 (1997).
- [7] Fazekas, I. and Chuprunov, A. Convergence of random step lines to weighted Wiener processes. 18th Seminar on Stability Problems for Stochastic Models, (Hajdúszoboszló, 1997). *Theory Probab. Appl.* **42**, 432-434 (1997).
- [8] Fazekas, I. and Klesov, O. A general approach to the strong laws of large numbers. 7th Vilnius Conference on Probab. Theory and 22nd European Meeting of Statisticians, Abstracts, pp. 205-206, TEV, Vilnius (1998).
- [9] Fazekas, I. and Kukush, A. Increasing domain and infill asymptotics of estimators in errors-in-variables models. Prague Stochastics '98.
- [10] Fazekas, I. and Kukush, A. A central limit theorem for mixing random fields and its statistical applications. 4th Hungarian Colloquium on Limit Theorems of Probability and Statistics, Balatonlelle, Hungary, 1999.
- [11] Fazekas, I. and Kukush, A. Errors-in-variables and kriging. 4th International Conference on Applied Informatics, Eger, 1999.
- [12] Fazekas, I. and Kukush, A. Errors-in-variables and kriging. 20th Seminar on Stability Problems for Stochastic Models, Lublin-Naleczów, 1999.
- [13] Fazekas, I., Baran, S. and Kukush, A. Application of the deconvolution method for estimation in errors-in-variables models. International Workshop Statistics with Deficient Data, Munich, 2000.
- [14] Fazekas, I. and Rychlik Z. Almost sure central limit theorems for random fields. 8th Vilnius Conference on Probab. Theory and Math. Statistics, Abstracts, pp. 80-81, TEV, Vilnius (2002).
- [15] Fazekas, I. Asymptotic normality of kernel type density estimators for random fields. 24th European Meeting of Statisticians, Prague, 2002.
- [16] Fazekas, I. and Kukush, A. G. Kriging and measurement errors. Statistical Inference in Linear Models, Bedlewo, Poland, August 21–27, 2003.
- [17] Fazekas, I. and Kukush, A. G. Kriging and measurement errors. MicroCAD, Miskolc, Hungary, 2004.
- [18] Fazekas, I. Almost sure limit theorems. Conference on Probability and Statistics in Honor of Endre Csáki and Pál Révész. June 17-19, 2004, Budapest.
- [19] Kukush, A. G. and Fazekas, I. Kriging and prediction of nonlinear functionals. COMPSTAT 2004, 16th Symposium of IASC, August 23-27, 2004, Prague.
- [20] Fazekas, I. and Kukush, A. G. Kriging and prediction of nonlinear functionals. Volume of abstracts, p. 43-48. MicroCAD, Miskolc, Hungary, 2005.
- [21] Fazekas, I. and Kukush, A. G. On covariance-matching constrained kriging. Volume of abstracts, p. 40. Perspectives in Modern Statistical Inference III,

Mikulov, Czech Republic, July 18-22, 2005.

- [22] Fazekas, I. A functional limit theorem for kernel type density estimators. 7th International Conference on Applied Informatics, Eger, Hungary, January 28 - 31, 2007
- [23] Fazekas, I. Almost sure limit theorems for semi-selfsimilar processes. Levy Processes: Theory and Applications, Copenhagen, August 13-17, 2007. Volume of abstracts, p.55.
- [24] Fazekas, I.: An inequality for moments and its applications to the generalized allocation scheme. XXVIII International Seminar on Stability Problems for Stochastic Models. Zakopane, Poland, 31 May - 5 June, 2009.
- [25] Fazekas, I.: An inequality for moments and its applications to the generalized allocation scheme. Probability and Statistics with Applications, International Conference, Debrecen, Hungary, June 8-12, 2009.
- [26] Fazekas I.: A nagy számok törvényei. Sorok, függvények, véletlen változók, operátorok. Konferencia Móricz Ferenc 70. születésnapja alkalmából. 2009. május 29-30, Szeged.
- [27] Fazekas, I.: Asymptotic Normality of Kernel Type Density Estimators for Random Fields. Workshop on limit theorems, Prague, August 3 - 6, 2009.
- [28] Fazekas I. Merging to semistable processes. Prague Stochastics, August 30 – September 3, 2010.
- [29] Fazekas, I. Asymptotic Normality of Kernel Type Density Estimators for Random Fields. Modern Stochastics: Theory and Applications II, Kiev, September 7-11, 2010.
- [30] Fazekas, I. Merging to semistable processes. 10th International Vilnius Conference on Probability Theory and Mathematical Statistics, 28 June - 2 July, 2010 Vilnius, Lithuania.
- [31] A. Chuprunov, I. Fazekas. On some analogue of the generalized allocation scheme. Conference on Stochastic Models and their Applications, Debrecen, Hungary, August 22–24, 2011.
- [32] Fazekas I. A valószínűségszámítás tanítása. Matematikát, fizikát és informatikát oktatók XXXV. konferenciája (MAFIOK), Szolnok, 2011. augusztus 29-31.
- [33] A. Chuprunov, I. Fazekas. On some analogue of the generalized allocation scheme. XXIX International Seminar on Stability Problems for Stochastic Models, Svetlogorsk, October 10-16, 2011.
- [34] I. Fazekas. On some analogue of the generalized allocation scheme. 9th Joint Conference on Mathematics and Computer Science, Siófok, Hungary, February 912, 2012. Abstract: page 39.
- [35] I. Fazekas. A generalized allocation scheme. 8th World Congress in Probability Theory, Istanbul, 9-14 July, 2012. Abstract: page 281.
- [36] R. Vas, I. Fazekas, Zs. Karácsony. Asymptotic normality of kernel type estimators for random fields. 8th World Congress in Probability Theory, Istanbul, 9-14 July, 2012. Abstract: page 261.

- [37] I. Fazekas. On some analogue of the generalized allocation scheme. 10th German Probability and Statistics Days, March 6-9, 2012, Mainz. Abstract: page 28.
- [38] I. Fazekas, Z. Karácsony, R. Vas, Kernel Type Estimator of a Bivariate Average Growth Function. 15-th Applied Stochastic Models and Data Analysis International Conference, Mataró, Spain, 2013. Abstract p. 78.
- [39] I. Fazekas, B. Porvázsnyik: Scale-free property for degrees and weights in a preferential attachment random graph model. 15-th Applied Stochastic Models and Data Analysis International Conference, Mataró, Spain, 2013. Abstract p. 79.
- [40] I. Fazekas, A. Chuprunov, Limit Theorems for the Generalized Allocation Scheme 29-th European Meeting of Statisticians, Budapest, 2013. Abstract p. 103.
- [41] I. Fazekas, Z. Karcsony, R. Vas, Kernel Type Estimator of a Bivariate Average Growth Function. 29-th European Meeting of Statisticians, Budapest, 2013. Abstract p. 310.
- [42] I. Fazekas, B. Porvázsnyik: Scale-free properties for degrees and weights in an N-interaction random graph model. 11th German Probability and Statistics Days, Ulm, March 4-7, 2014. Abstract p. 42.
- [43] Fazekas, I.; Noszály, Cs.; Porvázsnyik, B.: The asymptotic behaviour of a random graph model. XXXII International Seminar on Stability Problems for Stochastic Models. June 16–21, 2014, Trondheim, Norway. Abstracts p. 29.
- [44] Fazekas, I.: Asymptotic results for the generalized allocation scheme. Asymptotic results in probability and statistics. International conference in honor of the 80th birthday of Endre Csáki and Pál Révész. August 21–23, 2014, Budapest.
- [45] Fazekas, I.: The Asymptotic Behaviour of a Random Graph Model. Prague Stochastics 2014, August 25–29, 2014, Prague, Czech Republic.
- [46] Fazekas, I.: Asymptotic results for a random graph model. 16th conference of ASMDA international society (30th June–4th July 2015, Piraeus, Greece). Abstracts p. 48.
- [47] Fazekas, I.; Noszály, Cs.; Porvázsnyik, B.; Perecsényi, A.: Asymptotic results for a random graph model. Joint Austrian-Hungarian Mathematical Conference, Győr, August 25–27, 2015. Book of Abstracts p. 6.
- [48] Fazekas, I.; Noszály, Cs.; Porvázsnyik, B.; Perecsényi, A.: A scale-free random graph model. 5th International Conference on Mathematics and Informatics, September 2–4, 2015, Targu Mures / Marosvásárhely, România. Abstracts p. 19.
- [49] I. Fazekas, Cs. Noszály, A. Perecsényi. A population evolution model and its applications to random networks. Abstracts of the a XXXIII International Seminar on Stability Problems for Stochastic Models, June 12–18, 2016, Svetlogorsk, Russia. In Op and PM Surveys on Applied and Industrial Mathematics, Vol. 23, Issue 2, p. 142–143.
- [50] I. Fazekas, Cs. Noszály, A. Perecsényi. A population evolution model and its applications to random networks. 4th Stochastic Modeling Techniques and Data Analysis, 30th June–4th July, 2015, Valletta, Malta.

Parts of books

[1] Fazekas, I. Statistics, pp 162–192 of the book MATLAB. Version 4 and 5 (in Hungarian), ed. Stoyan Gisbert. Typotex, Budapest, 1998.

[2] Fazekas, I. Statistics. Neural networks. 2 chapters in the book Matlab, new edition. Numerical methods, graphics, statistics, toolboxes (in Hungarian), ed. Stoyan Gisbert. Typotex, Budapest, 2005.

Lecture notes

[1] Fazekas, I. (editor) *Introduction to mathematical statistics*, pp. 523. (In Hungarian.) Kossuth Egyetemi Kiadó, Debrecen, 2005. (5 chapters are written by I. Fazekas.)

[2] Fazekas, I. *Probability theory*, pp. 298. (In Hungarian.) Kossuth Egyetemi Kiadó, Debrecen, 2005.

[3] Fazekas, I. *Statistics*, (In Hungarian.) Electronic lecture notes, pp. 72.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[4] Fazekas, I. *Neural networks*. (In Hungarian.) Electronic lecture notes, pp. 33.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[5] Fazekas, I. *Markov chains with applications*. (In Hungarian.) Electronic lecture notes, pp. 46.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[6] Fazekas, I. *Numerical methods*, (In Hungarian.) Electronic lecture notes, pp. 59.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[7] Fazekas, I. *Probability theory*. (In Hungarian.) Electronic lecture notes (HTML), pp. 200.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[8] Fazekas, I. *Probability theory and statistics*, (In Hungarian.) Electronic lecture notes, pp. 169, Debrecen, 2010.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

[9] Fazekas, I. *Neural networks*, (In Hungarian.) Electronic lecture notes, pp. 204, Debrecen, 2014.
<http://www.inf.unideb.hu/valseg/dolgozok/fazekasi/oktatas.html>

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