

LIST OF PUBLICATIONS

LASSI ROININEN

Date of the publication list: June 6, 2025

A Peer-reviewed scientific articles

Journal articles

- [1] Lassi Roininen, Markku S. Lehtinen, Sari Lasanen, Mikko Orispää, and Markku Markkanen. “Correlation priors”. In: *Inverse Problems and Imaging* 5.1 (2011), pp. 167–184. ISSN: 1930-8337. DOI: 10.3934/ipi.2011.5.167. URL: <http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=5929>.
- [2] Lassi Roininen, Petteri Piironen, and Markku Lehtinen. “Constructing continuous stationary covariances as limits of the second-order stochastic difference equations”. In: *Inverse Problems and Imaging* 7.2 (2013), pp. 611–647. ISSN: 1930-8337. DOI: 10.3934/ipi.2013.7.611. URL: <http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=8646>.
- [3] Lassi Roininen and Markku S. Lehtinen. “Perfect pulse-compression coding via ARMA algorithms and unimodular transfer functions”. In: *Inverse Problems and Imaging* 7.2 (2013), pp. 649–661. ISSN: 1930-8337. DOI: 10.3934/ipi.2013.7.649. URL: <http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=8647>.
- [4] Ilkka I. Virtanen, Frank D. Lind, Lassi Roininen, Philip J. Erickson, William C. Rideout, Mikko Orispää, Juha Vierinen, and Markku S. Lehtinen. “Polyphase-coded incoherent scatter measurements at Millstone Hill”. In: *Radio Science* 48.5 (2013), pp. 519–526. ISSN: 1944-799X. DOI: 10.1002/rds.20058. URL: <http://dx.doi.org/10.1002/rds.20058>.
- [5] Antti Kero, Juha Vierinen, Derek McKay-Bukowski, Carl-Fredrik Enell, Malefia Sinor, Lassi Roininen, and Yasunobu Ogawa. “Ionospheric electron density profiles inverted from a spectral riometer measurement”. In: *Geophysical Research Letters* 41.15 (2014), pp. 5370–5375. ISSN: 1944-8007. DOI: 10.1002/2014GL060986. URL: <http://dx.doi.org/10.1002/2014GL060986>.
- [6] Lassi Roininen, Janne M. J. Huttunen, and Sari Lasanen. “Whittle-Matérn priors for Bayesian statistical inversion with applications in electrical impedance tomography”. In: *Inverse Problems and Imaging* 8.2 (2014), pp. 561–586. ISSN: 1930-8337. DOI: 10.3934/ipi.2014.8.561. URL: <http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=9912>.
- [7] Ilkka I. Virtanen, Derek McKay-Bukowski, Juha Vierinen, Anita Aikio, Richard Fallows, and Lassi Roininen. “Plasma parameter estimation from multistatic, multibeam incoherent scatter data”. In: *Journal of Geophysical Research: Space Physics* 119.12 (2014). 2014JA020540, pp. 10, 528–10, 543. ISSN: 2169-9402. DOI: 10.1002/2014JA020540. URL: <http://dx.doi.org/10.1002/2014JA020540>.

- [8] Richard A. Fallows, W. A. Coles, D. McKay-Bukowski, J. Vierinen, I. I. Virtanen, M. Postila, Th. Ulich, C-F. Enell, A. Kero, T. Inatti, M. Lehtinen, M. Orispää, T. Raita, L. Roininen, E. Turunen, M. Brentjens, N. Ebbendorf, M. Gerbers, T. Grit, P. Gruppen, H. Meulman, M. J. Norden, J-P. de Reijer, A. Schoenmakers, and K. Stuurwold. “Broadband meter-wavelength observations of ionospheric scintillation”. In: *Journal of Geophysical Research: Space Physics* 119.12 (2014). 2014JA020406, pp. 10, 544–10, 560. ISSN: 2169-9402. DOI: 10.1002/2014JA020406. URL: <http://dx.doi.org/10.1002/2014JA020406>.
- [9] Lassi Roininen, Markku S. Lehtinen, Petteri Piiroinen, and Ilkka I. Virtanen. “Perfect radar pulse compression via unimodular fourier multipliers”. In: *Inverse Problems and Imaging* 8.3 (2014), pp. 831–844. ISSN: 1930-8337. DOI: 10.3934/ipi.2014.8.831. URL: <http://aims sciences.org/journals/displayArticlesnew.jsp?paperID=10286>.
- [10] Juha Vierinen, Johannes Norberg, Markku S. Lehtinen, Olaf Amm, Lassi Roininen, Antero Väänänen, Philip J. Erickson, and Derek McKay-Bukowski. “Beacon satellite receiver for ionospheric tomography”. In: *Radio Science* 49.12 (2014), pp. 1141–1152. ISSN: 1944-799X. DOI: 10.1002/2014RS005434. URL: <http://dx.doi.org/10.1002/2014RS005434>.
- [11] Johannes Norberg, Lassi Roininen, Juha Vierinen, Olaf Amm, Derek McKay-Bukowski, and Markku S. Lehtinen. “Ionospheric tomography in Bayesian framework with Gaussian Markov random field priors”. In: *Radio Science* 50.2 (2015). 2014RS005431, pp. 138–152. ISSN: 1944-799X. DOI: 10.1002/2014RS005431. URL: <http://dx.doi.org/10.1002/2014RS005431>.
- [12] Derek McKay-Bukowski, J. Vierinen, I.I. Virtanen, R. Fallows, M. Postila, T. Ulich, O. Wucknitz, M. Brentjens, N. Ebbendorf, C-F. Enell, M. Gerbers, T. Grit, P. Gruppen, A. Kero, T. Inatti, M. Lehtinen, H. Meulman, M. Norden, M. Orispää, T. Raita, J.P. de Reijer, L. Roininen, A. Schoenmakers, K. Stuurwold, and E. Turunen. “KAIRA: The Kilpisjärvi Atmospheric Imaging Receiver Array–System Overview and First Results”. In: *IEEE Transactions on Geoscience and Remote Sensing* 53.3 (Mar. 2014), pp. 1440–1451. ISSN: 0196-2892. DOI: 10.1109/TGRS.2014.2342252.
- [13] Lassi Roininen, Marko Laine, and Thomas Ulich. “Time-varying ionosonde trend: Case study of Sodankylä hmF2 data 1957–2014”. In: *Journal of Geophysical Research: Space Physics* (2015). 2015JA021176. ISSN: 2169-9402. DOI: 10.1002/2015JA021176. URL: <http://dx.doi.org/10.1002/2015JA021176>.
- [14] Johannes Norberg, Ilkka I. Virtanen, Lassi Roininen, Juha Vierinen, Mikko Orispää, Kirsti Kauristie, and Markku S. Lehtinen. “Bayesian statistical ionospheric tomography improved by incorporating ionosonde measurements”. In: *Atmospheric Measurement Techniques* 9.4 (2016), pp. 1859–1869. DOI: 10.5194/amt-9-1859-2016. URL: <http://www.atmos-meas-tech.net/9/1859/2016/>.
- [15] Melessew Nigussie, Sandro Radicella, Baylie Damtie, Endawoke Yizengaw, Bruno Nava, and Lassi Roininen. “Validation of NeQuick TEC data ingestion technique against C/NOFS and EISCAT electron density measurements”. In: *Radio Science* 51.7 (2016). 2015RS005930, pp. 905–917. ISSN: 1944-799X. DOI: 10.1002/2015RS005930. URL: <http://dx.doi.org/10.1002/2015RS005930>.
- [16] Johannes Norberg, Lassi Roininen, Antti Kero, Tero Raita, Thomas Ulich, Markku Markkanen, Liisa Juusola, and Kirsti Kauristie. “Sodankylä ionospheric tomography data set 2003–2014”. In: *Geoscientific Instrumentation, Methods and Data Systems* 5.1 (2016), pp. 263–270. DOI: 10.5194/gi-5-263-2016. URL: <http://www.geosci-instrum-method-data-syst.net/5/263/2016/>.
- [17] A. Bires, L. Roininen, B. Damtie, M. Nigussie, and H. Vanhamäki. “Study of TEC fluctuation via stochastic models and Bayesian inversion”. In: *Radio Science* 51.11 (2016). 2016RS005959, pp. 1772–1782. ISSN: 1944-799X. DOI: 10.1002/2016RS005959. URL: <http://dx.doi.org/10.1002/2016RS005959>.

- [18] Lassi Roininen, Sari Lasanen, Mikko Orispää, and Simo Särkkä. “Sparse Approximations of Fractional Matérn Fields”. In: *Scandinavian Journal of Statistics* 45.1 (2018). 10.1111/sjos.12297, pp. 194–216. ISSN: 1467-9469. DOI: 10.1111/sjos.12297. URL: <http://dx.doi.org/10.1111/sjos.12297>.
- [19] Sari Lasanen, Lassi Roininen, and Janne M.J. Huttunen. “Elliptic boundary value problems with Gaussian white noise loads”. In: *Stochastic Processes and their Applications* 128.11 (2018), pp. 3607–3627. ISSN: 0304-4149. DOI: <https://doi.org/10.1016/j.spa.2017.11.007>. URL: <http://www.sciencedirect.com/science/article/pii/S0304414917302958>.
- [20] Abdu Mohammed Seid, Tesfahun Berhane, Lassi Roininen, and Melessew Nigussie. “Hierarchical Bayesian modeling of ionospheric TEC disturbances as non-stationary processes”. In: *Advances in Space Research* 61.5 (2018), pp. 1193–1205. ISSN: 0273-1177. DOI: <https://doi.org/10.1016/j.asr.2017.12.009>. URL: <http://www.sciencedirect.com/science/article/pii/S0273117717308852>.
- [21] Neil K Chada, Marco A Iglesias, Lassi Roininen, and Andrew M Stuart. “Parameterizations for ensemble Kalman inversion”. In: *Inverse Problems* 34.5 (2018), p. 055009. URL: <http://stacks.iop.org/0266-5611/34/i=5/a=055009>.
- [22] J. Norberg, J. Vierinen, L. Roininen, M. Orispää, K. Kauristie, W. C. Rideout, A. J. Coster, and M. S. Lehtinen. “Gaussian Markov Random Field Priors in Ionospheric 3-D Multi-Instrument Tomography”. In: *IEEE Transactions on Geoscience and Remote Sensing* (2018), pp. 1–13. ISSN: 0196-2892. DOI: 10.1109/TGRS.2018.2847026.
- [23] Lassi Roininen, Mark Girolami, Sari Lasanen, and Markku Markkanen. “Hyperpriors for Matérn fields with applications in Bayesian inversion”. In: *Inverse Problems & Imaging* 13 (2019), pp. 1–29. ISSN: 1930-8337. DOI: 10.3934/ipi.2019001. URL: <http://aims sciences.org/article/id/d17bde6b-3e5f-438d-af0a-b712cf433748>.
- [24] Markku Markkanen, Lassi Roininen, Janne M. J. Huttunen, and Sari Lasanen. “Cauchy difference priors for edge-preserving Bayesian inversion”. In: *Journal of Inverse and Ill-Posed Problems* 27.2 (2019), pp. 225–240. DOI: 10.1515/jiip-2017-0048.
- [25] Alberto Mendoza, Lassi Roininen, Mark Girolami, Jere Heikkinen, and Heikki Haario. “Statistical methods to enable practical on-site tomographic imaging of whole-core samples”. In: *Geophysics* (2019). DOI: 10.1190/geo2018-0436.1. URL: <https://doi.org/10.1190/geo2018-0436.1>.
- [26] Alberto Mendoza, Lassi Roininen, Mark Girolami, Jere Heikkinen, and Heikki Haario. “Accelerated Whole Core Analysis Optimization with Wellsite Tomographic Instrumentation and Bayesian Inversion”. In: *Petrophysics* 60.3 (2019).
- [27] Karla Monterrubio-Gómez, Lassi Roininen, Sara Wade, Theodoros Damoulas, and Mark Girolami. “Posterior inference for sparse hierarchical non-stationary models”. In: *Computational Statistics & Data Analysis* 148 (2020), p. 106954. ISSN: 0167-9473. DOI: <https://doi.org/10.1016/j.csda.2020.106954>. URL: <http://www.sciencedirect.com/science/article/pii/S0167947320300451>.
- [28] Kenneth Muhumuza, Janne M. J. Huttunen, Lassi Roininen, and Timo Lähivaara. “A Bayesian-based approach to improving acoustic Born waveform inversion of seismic data for viscoelastic media”. In: *Inverse Problems* (2020). URL: <http://iopscience.iop.org/10.1088/1361-6420/ab8f81>.
- [29] Teemu Härkönen, Lassi Roininen, Matthew T. Moores, and Erik M. Vartiainen. “Bayesian Quantification for Coherent Anti-Stokes Raman Scattering Spectroscopy”. In: *The Journal of Physical Chemistry B* 0. ja (0). PMID: 32673491, null. DOI: 10.1021/acs.jp cb.0c04378. eprint: <https://doi.org/10.1021/acs.jp cb.0c04378>. URL: <https://doi.org/10.1021/acs.jp cb.0c04378>.

- [30] Jarkko Suuronen, Muhammad Emzir, Sari Lasanen, Simo Särkkä, and Lassi Roininen. “Enhancing industrial X-ray tomography by data-centric statistical methods”. In: *Data-Centric Engineering* 1 (2020), e10. DOI: [10.1017/dce.2020.10](https://doi.org/10.1017/dce.2020.10).
- [31] Muhammad Fuady Emzir, Sari J Lasanen, Zenith Purisha, Lassi Roininen, and Simo Särkkä. “Non-Stationary Multi-layered Gaussian Priors for Bayesian Inversion”. In: *Inverse Problems* (2020). URL: <http://iopscience.iop.org/article/10.1088/1361-6420/abc962>.
- [32] Ilkka I. Virtanen, Habtamu W. Tesfaw, Lassi Roininen, Sari Lasanen, and Anita Aikio. “Bayesian Filtering in Incoherent Scatter Plasma Parameter Fits”. In: *Journal of Geophysical Research: Space Physics* 126.3 (2021). e2020JA028700 2020JA028700, e2020JA028700. DOI: <https://doi.org/10.1029/2020JA028700>. eprint: <https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2020JA028700>. URL: <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2020JA028700>.
- [33] Simo Särkkä, Lassi Roininen, Manon Kok, Roland Hostettler, and Andreas Hauptmann. “Guest Editorial: MLSP 2020 Special Issue”. In: *Journal of Signal Processing Systems* 94 (2022). DOI: <https://doi.org/10.1007/s11265-021-01738-z>.
- [34] Jarkko Suuronen, Neil K. Chada, and Lassi Roininen. “Cauchy Markov random field priors for Bayesian inversion”. In: *Statistics and Computing* 32 (2022). DOI: <https://doi.org/10.1007/s11222-022-10089-z>.
- [35] Dmitry Vladimirovich Gradov, Yusuf Oluwatoki Yusuf, Jussi Ojalainen, Jarkko Suuronen, Roope Eskola, Lassi Roininen, and Tuomas Koiranen. “Modelling of a continuous veneer drying unit of industrial scale and model-based ANOVA of the energy efficiency”. In: *Energy* 244 (2022), p. 122673. ISSN: 0360-5442. DOI: <https://doi.org/10.1016/j.energy.2021.122673>. URL: <https://www.sciencedirect.com/science/article/pii/S0360544221029224>.
- [36] S. Ross, A. Arjas, I. I. Virtanen, M. J. Sillanpää, L. Roininen, and A. Hauptmann. “Hierarchical deconvolution for incoherent scatter radar data”. In: *Atmospheric Measurement Techniques* 15.12 (2022), pp. 3843–3857. DOI: [10.5194/amt-15-3843-2022](https://doi.org/10.5194/amt-15-3843-2022). URL: <https://amt.copernicus.org/articles/15/3843/2022/>.
- [37] J. Norberg, S. Käki, L. Roininen, J. Mielich, and I. I. Virtanen. “Model-Free Approach for Regional Ionospheric Multi-Instrument Imaging”. In: *Journal of Geophysical Research: Space Physics* 128.1 (2023). e2022JA030794 2022JA030794, e2022JA030794. DOI: <https://doi.org/10.1029/2022JA030794>. eprint: <https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2022JA030794>. URL: <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2022JA030794>.
- [38] Jarkko Suuronen, Tomás Soto, Neil K Chada, and Lassi Roininen. “Bayesian inversion with α -stable priors”. In: *Inverse Problems* 39.10 (Aug. 2023), p. 105007. DOI: [10.1088/1361-6420/acf154](https://doi.org/10.1088/1361-6420/acf154). URL: <https://dx.doi.org/10.1088/1361-6420/acf154>.
- [39] Angelina Senchukova, Jarkko Suuronen, Jere Heikkinen, and Lassi Roininen. “Geometry Parameter Estimation for Sparse X-Ray Log Imaging”. In: *Journal of Mathematical Imaging and Vision* (2023). DOI: <https://doi.org/10.1007/s10851-023-01167-6>.
- [40] Sebastian Springer, Aldo Glielmo, Angelina Senchukova, Tomi Kauppi, Jarkko Suuronen, Lassi Roininen, Heikki Haario, and Andreas Hauptmann. “Reconstruction and segmentation from sparse sequential X-ray measurements of wood logs”. In: *Applied Mathematics for Modern Challenges* 1.1 (2023), pp. 1–20. DOI: [10.3934/ammc.2023002](https://doi.org/10.3934/ammc.2023002). URL: <https://www.aims sciences.org/article/id/64e87573774d4574c8bfa66b>.
- [41] Teemu Härkönen, Erik M. Vartiainen, Lasse Lensu, Matthew T. Moores, and Lassi Roininen. “Log-Gaussian Gamma Processes for Training Bayesian Neural Networks in Raman and CARS Spectroscopies”. In: *Physical Chemistry Chemical Physics* 26 (2024), pp. 3389–3399.

- [42] Angelina Senchukova, Felipe Uribe, and Lassi Roininen. “Bayesian inversion with Student’s t priors based on Gaussian scale mixtures”. In: *Inverse Problems* (2024). URL: <http://iopscience.iop.org/article/10.1088/1361-6420/ad75af>.
- [43] Rabia Altunay, Kalevi Vesterinen, Pasi Alander, Eero Immonen, Andreas Rupp, and Lassi Roininen. “Denture reinforcement via topology optimization”. In: *Medical Engineering & Physics* (2024), p. 104272. ISSN: 1350-4533. DOI: <https://doi.org/10.1016/j.medengphy.2024.104272>. URL: <https://www.sciencedirect.com/science/article/pii/S1350453324001723>.
- [44] Michel Rwema, Bonfils Safari, Marko Laine, Mouhamadou Bamba Sylla, and Lassi Roininen. “Trends and Variability of Temperatures in the Eastern Province of Rwanda”. In: *International Journal of Climatology* (2025). e8793 JOC-24-0447.R2, e8793. DOI: <https://doi.org/10.1002/joc.8793>. eprint: <https://rmets.onlinelibrary.wiley.com/doi/pdf/10.1002/joc.8793>. URL: <https://rmets.onlinelibrary.wiley.com/doi/abs/10.1002/joc.8793>.
- [45] Michel Rwema, Mouhamadou Bamba Sylla, Bonfils Safari, Lassi Roininen, and Marko Laine. “Trend analysis and change point detection in precipitation time series over the Eastern Province of Rwanda during 1981–2021”. In: *Theoretical and Applied Climatology* 156 (2025). DOI: <https://doi.org/10.1007/s00704-024-05317-7>.
- [46] Victoria Jorry, Zina-Sabrina Duma, Tuomas Sihvonen, Satu-Pia Reinikainen, and Lassi Roininen. “Statistical Batch-Based Bearing Fault Detection”. In: *Journal of Mathematics in Industry* 15 (2025). DOI: <https://doi.org/10.1186/s13362-025-00169-w>.
- [47] Presley Aduwenye, Charles Nutakor, Lassi Roininen, and Jussi Sopanen. “Parameter-Based Transfer Learning for Bearing Fault Diagnosis Using Small Samples Under Variable Working Conditions”. In: *IEEE Access* 13 (2025), pp. 44214–44230. DOI: 10.1109/ACCESS.2025.3548549.
- [48] Neil K. Chada, Petteri Piironen, and Lassi Roininen. “A statistical framework and analysis for perfect radar pulse compression”. In: *Inverse Problems and Imaging* (2025). ISSN: 1930-8337. DOI: 10.3934/ipi.2025018. URL: <https://www.aims sciences.org/article/id/680f188a3823747f07fb8687>.
- [49] Laura Bazahica, Vesa Kaarnioja, and Lassi Roininen. “Uncertainty Quantification for Electrical Impedance Tomography using Quasi-Monte Carlo Methods”. In: *Inverse Problems* (2025).

Working papers

- [50] Teemu Härkönen, Sara Wade, Kody Law, and Lassi Roininen. *Mixtures of Gaussian Process Experts with SMC²*. 2022. eprint: [arXiv:2208.12830](https://arxiv.org/abs/2208.12830).
- [51] Yassin Tesfaw, Abdu Mohammed Seid, and Lassi Roininen. *Log-Gaussian Cox Processes for Spatiotemporal Traffic Fatality Estimation in Addis Ababa*. 2024. eprint: [arXiv:2408.02612](https://arxiv.org/abs/2408.02612).
- [52] Emma Hannula, Arttu Häkkinen, Antti Solonen, Felibe Uribe, Jana de Wiljes, and Lassi Roininen. *Bayesian LSTM for indoor temperature modeling*. 2025. eprint: [arXiv:2504.03350](https://arxiv.org/abs/2504.03350).

Conference proceedings

- [53] Sari Lasanen and Lassi Roininen. “Statistical Inversion with Green’s Priors”. In: *Proc. 5th Int. Conf. on Inv. Prob. in Eng.* 2005, L01:1–10.
- [54] Lassi Roininen, Markku Lehtinen, and Petteri Piironen. “Calculating Covariance Kernels of Stochastic Differential and Difference Equations with Applications in Bayesian Statistical Inversion”. In: vol. 1281. 1. 2010, pp. 1816–1819. DOI: <http://dx.doi.org/10.1063/1.3498244>. URL: <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3498244>.

- [55] Antti Kero, Carl-Fredrik Enell, Lassi Roininen, Thomas Ulich, Esa Turunen, Ingemar Häggström, Pekka T. Verronen, and Sanna M. Salmi. “The D-region ionosphere during the solar minimum as seen by the EISCAT Svalbard continuous 1-year IPY radar experiment”. In: *General Assembly and Scientific Symposium, 2011 XXXth URSI*. Aug. 2011, pp. 1–4. DOI: 10.1109/URSIGASS.2011.6050889.
- [56] Johannes Norberg, Juha Vierinen, Lassi Roininen, Olaf Amm, and Markku S. Lehtinen. “Multi-instrument ionospheric tomography in Scandinavia with Bayesian statistical inversion and correlation priors”. In: *Radio Science Meeting (USNC-URSI NRSM), 2014 United States National Committee of URSI National*. Jan. 2014, pp. 1–1. DOI: 10.1109/USNC-URSI-NRSM.2014.6928076.
- [57] E. Immonen, M. Lauren, L. Roininen, and S. Särkkä. “Neural Network Based Identification of Fuel Injection Rate Profiles for Diesel Engines”. In: *2020 9th International Conference on Industrial Technology and Management (ICITM)*. 2020, pp. 138–143. DOI: 10.1109/ICITM48982.2020.9080367.
- [58] Eero Immonen, Mika Lauren, Lassi Roininen, and Simo Särkkä. “Multiobjective model-based optimization of diesel injection rate profile by machine learning methods”. In: *Proceedings of 2020 IEEE International Systems Conference*. 2020.
- [59] Arttu Arjas, Lassi Roininen, Mikko Sillanpää, and Andreas Hauptmann. “Blind Hierarchical Deconvolution”. In: *2020 IEEE 30th International Workshop on Machine Learning for Signal Processing (MLSP)*. 2020, pp. 1–6. DOI: 10.1109/MLSP49062.2020.9231822.
- [60] Rabia Altunay, Eero Immonen, Jarkko Suuronen, Andreas Rupp, and Lassi Roininen. “Reinforcement Approach Using Topology Optimization”. In: *Proceedings of the 38th ECMS International Conference on Modelling and Simulation*. 2024.

D Theses

- [62] Lassi Roininen. “Using Discretization Independent Priors in Bayesian Regularization”. MA thesis. Tampere University of Technology, 2003. URL: http://www.math.tut.fi/julkaisut/pdf/di_lassi_roininen.pdf.
- [63] Lassi Roininen. “Discretisation-invariant and computationally efficient correlation priors for Bayesian inversion”. PhD thesis. University of Oulu, 2015. ISBN: 978-952-62-0754-4. URL: <http://urn.fi/urn:isbn:9789526207544>.