

## Preprints

Yun, H. & **Panaretos, V.M.**

[Computerized Tomography and Reproducing Kernels.](#)

arXiv:2311.07465 (40 pages).

Santoro, L.V., & **Panaretos, V.M.**

[Random Flows of Covariance Operators and their Statistical Inference.](#)

arXiv:2310.13764 (44 pages).

Waghmare, K.G., Masak, T. & **Panaretos, V.M.**

[The Functional Graphical Lasso.](#)

arXiv:2306.02347 (48 pages).

Ghodrati, L. & **Panaretos, V.M.**

[Transportation of Measure Regression in Higher Dimensions.](#)

arXiv:2305.17503 (20 pages).

Santoro, L.V., & **Panaretos, V.M.**

[Large Sample Theory for Bures–Wasserstein Barycentres.](#)

arXiv:2305.15592 (27 pages).

Santoro, L.V., Waghmare, K.G. & **Panaretos, V.M.**

[A Karhunen-Loève Theorem for Random Flows in Hilbert spaces.](#)

arXiv:2303.00702 (11 pages).

Waghmare, K.G. & **Panaretos, V.M.**

[Continuously Indexed Graphical Models.](#)

arXiv:2302.02482 (35 pages).

## Papers

Waghmare, K.G., & **Panaretos, V.M.**

[The Positive-Definite Completion Problem.](#)

*Transactions of the American Mathematical Society* (to appear).

Masarotto, V., **Panaretos, V.M.** & Zemel, Y.

[Transportation-Based Functional ANOVA and PCA for Covariance Operators.](#)

*Electronic Journal of Statistics* (to appear).

Ghodrati, L. & **Panaretos, V.M.**

[On Distributional Autoregression and Iterated Transportation.](#)

*Journal of Time Series analysis* (to appear).

- Mohammadi, N., Santoro, L.V. & **Panaretos, V.M.** (2024)  
[Nonparametric Estimation for SDE with Sparsely Sampled Paths: an FDA Perspective.](#)  
*Stochastic Processes and their Applications*, **167**, 104239.
- Mohammadi, N. & **Panaretos, V.M.** (2024)  
[Functional Data Analysis with Rough Sample Paths?](#)  
*Journal of Nonparametric Statistics*, **36** (1): 4–22.
- Masak, T. & **Panaretos, V.M.** (2023)  
[Random Surface Covariance Estimation by Shifted Partial Tracing.](#)  
*Journal of the American Statistical Association, Theory & Methods*, **118** (544): 2562–2574.
- Mohammadi, N. & **Panaretos, V.M.** (2023)  
[Detecting Whether a Stochastic Process is Finitely Expressed in a Basis.](#)  
*Applied and Computational Harmonic Analysis*, **67**, 101578.
- Masak, T., Sarkar, S. & **Panaretos, V.M.** (2023)  
[Separable Expansions for Covariance Estimation via the Partial Inner Product.](#)  
*Biometrika*, **110** (1): 225–247.
- Ghodrati, L. & **Panaretos, V.M.** (2023)  
[Minimax Rate for Optimal Transport Regression Between Distributions.](#)  
*Statistics & Probability Letters*, **194**: 109758.
- Chakraborty, A. & **Panaretos, V.M.** (2022)  
[Testing for the Rank of a Covariance Operator.](#)  
*Annals of Statistics*, **50** (6): 3510–3537.
- Waghmare, K. & **Panaretos, V.M.** (2022)  
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- Sarkar, S. & **Panaretos, V.M.** (2022)  
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- Masak, T., Rubin, T. & **Panaretos, V.M.** (2022)  
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*Journal of Computational and Graphical Statistics*, **31** (4): 1361-1374.
- Caponera, A., Fageot, J., Simeoni, M. & **Panaretos, V.M.** (2022)  
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- Chakraborty, A. & **Panaretos, V.M.** (2021)  
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*Advances in Applied Probability*, **38** (2): 320–335.

## Books and Monographs

**Panaretos, V. M. & Zemel, Y. (2020)**  
[An Invitation to Statistics in Wasserstein Space.](#)  
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**Panaretos, V. M. (2012).**  
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