



Literature for MATP32, Mathematics: Harmonic Analysis applies from autumn semester 2020

Literature established by Study programmes board, Faculty of Science on
2019-12-04 to apply from 2019-12-04

See appendix.



Matematikcentrum
Matematik NF

Litteraturlista för MAP32, Matematik: Harmonisk analys gällande från och med höstterminen 2020

Javier Duoandikoetxea, *Fourier Analysis*. Graduate Studies in Mathematics, AMS, Volume 29, 2001 (tillgänglig på <http://www.gbv.de/dms/goettingen/319034216.pdf>)

Cristina Pereyra and Lesley Ward, *Harmonic Analysis: from Fourier to Wavelets*, Student Mathematical Library 63, American Mathematical Society, 2012

Loukas Grafakos, *Classical Fourier Analysis*, Graduate Texts in Mathematics 249, Springer-Verlag 2014

Loukas Grafakos, *Modern Fourier Analysis*, Graduate Texts in Mathematics 250, Springer-Verlag 2009

Cristina Pereyra, *Dyadic harmonic analysis and weighted inequalities: the sparse revolution*, Lecture Notes for a course taught at the CIMPA 2017 Research School IX Escuela Santaló: Harmonic Analysis, Geometric Measure Theory and Applications, held in Buenos Aires, Argentina. 65 pages, 3 figures arXiv:1812.00850

Carlos Perez, *Singular Integrals and weights: a modern introduction* Lecture notes of the Spring School on Function Spaces and Inequalities, Paseky 2013

Javier Duoandikoetxea, *Forty years of Muckenhoupt weights*, Lecture Notes Paseky nad Jizerou 2013 (J. Lukes, L. Pick ed.) Matfyzpress, Praga, 2013 ISBN 978-80-7378-233-7.

Course literature for MATP32, Mathematics: Harmonic Analysis valid from autumn term 2020

Javier Duoandikoetxea, *Fourier Analysis*. Graduate Studies in Mathematics, AMS, Volume 29, 2001 (tillgänglig på <http://www.gbv.de/dms/goettingen/319034216.pdf>)

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