Simon Foucart, Stephan Wojtowytsch, Editors

Explorations in the Mathematics of Data Science

The Inaugural Volume of the Center for Approximation
and Mathematical Data Analytics

This edited volume reports on the recent activities of the new Center for Approximation and Mathematical Data Analytics (CAMDA) at Texas A&M University. Chapters are based on talks from CAMDA's inaugural conference – held in May 2023 – and its seminar series, as well as work performed by members of the Center. They showcase the interdisciplinary nature of data science, emphasizing its mathematical and theoretical foundations, especially those rooted in approximation theory.

ANHA

Simon Foucart, Stephan Wojtowytsch, Editors

Explorations in the Mathematics of Data Science

Applied and Numerical Harmonic Analysis

$$\hat{f}(\gamma) = \int f(x) e^{-2\pi i x \gamma}\, dx$$

Simon Foucart
Stephan Wojtowytsch
Editors

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TEXAS A&M UNIVERSITY
Center for Approximation
& Mathematical Data Analytics

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