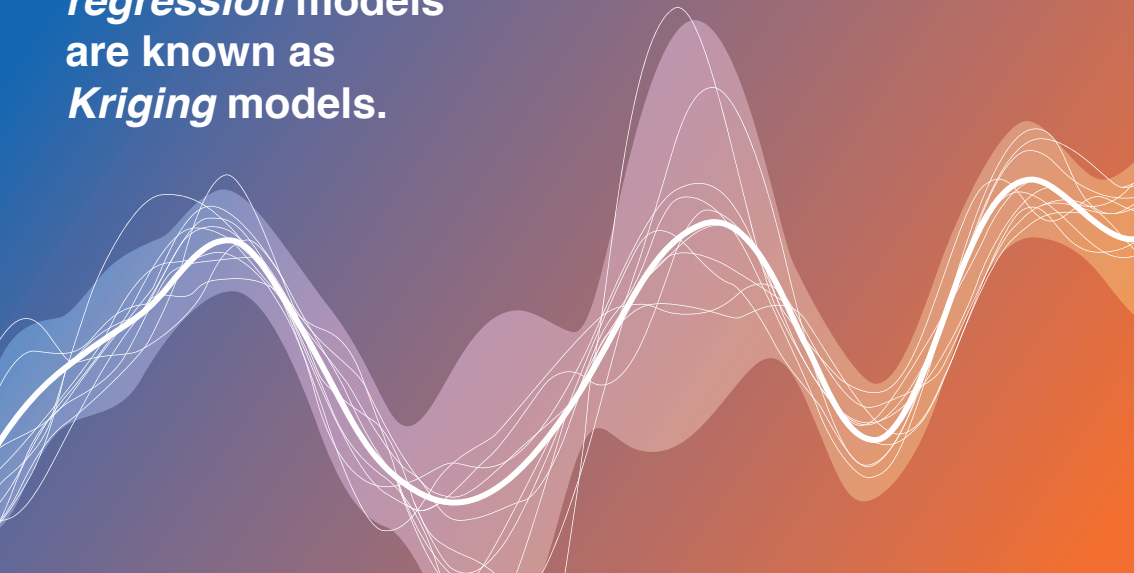


Did you know?
In geostatistics,
Gaussian process
regression models
are known as
Kriging models.

MathModDB



Who is the MathModDB service for?

For everyone who builds, compares, or reuses mathematical models to solve practical problems. It is for researchers, engineers, and data scientists from various domains – as well as for students, educators, and early-career researchers who want a clear cross-disciplinary entry point into modelling: how methods relate, when to use them, and where to start.

What problem does this service solve?

MathModDB boosts cross-disciplinary discovery so models are findable beyond jargon. It links terminology and disciplines – for example, connecting geostatistics' Kriging models with machine-learning Gaussian-process models under shared assumptions. MathModDB provides ontology-backed model context – what problem a model addresses, core quantities, and governing equations. It reduces redundant reinvention by surfacing related model families, canonical references, and relevant formulations. It improves orientation and transparency, making models easier to compare conceptually and to reuse.

Image (front of postcard) created by Thomas Newman.



◀ Learn more

<https://portal.mardi4nfdi.de/wiki/MathModDB>



MaRDI is a DFG-funded initiative rooted in the mathematical community. Together with you we develop services for all types of research data in mathematics.

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