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### **Kondratiev spaces from the point of view of function space theory**

Kondratiev spaces – a special type of weighted Sobolev spaces, with weights in terms of powers of the distance to (part of) the boundary – are one of the main tools when studying regularity for solutions to (elliptic) PDEs on polygonal and polyhedral domains, as well as for the numerical analysis of such problems. In this talk we discuss that scale of spaces from the point of view of the theory of function spaces. In particular, we focus on localization properties, embeddings and interpolation, and show relations to earlier work of Triebel on function spaces on domains (refined localization spaces).