

on metric measure spaces Partial differential equations on metric measure spaces are a generalization of classical partial differential equations that allow for the study of mathematical structures on abstract spaces. These equations rely on the use of metric structures, in which distance between two points is well-defined, and measure spaces, which can act as a domain for analysis. This type of ancient differential equation can be used to study the behavior of physical systems as well as a range of other problems. The most common partial differential equations on metric measure spaces include the heat equation, the Kolmogorov forward equation, and the Schrödinger equation.