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Measurement in Berkeley's philosophy

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Measurement is considered to be a fundamental topic in the philosophy of space and time and in the philosophy of physics. In this paper, I will show that Berkeley's philosophy contains an original point relevant to physical measurement. I will compare the concept of measurement contained in Berkeley's philosophy to that contained in Mach's philosophy, and will discuss differences between them. Furthermore, in discussing some philosophical problems relevant to physical measurement both from two philosophical points of view, I also show how the philosophical differences between them will affect arguments concerning the application of the philosophical concepts to the fundamental problems of physics.