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## Torahiko Terada's study on geomagnetism: Toward the expansion into engineering design education

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It is important for understanding of essence of science and technology to know about their history as with the present system. Learning about the accumulated knowledge in light of cultures, politics, and social situations at that time enable us to more deeply understand the state-of-the-art.

In the present study, Torahiko Terada's study on terrestrial magnetism is re-evaluated in light of science history with the aim of the expansion into the engineering design education by integrating the humanities and science.

Torahiko Terada earned his place in history both as a scientist and a writer. In particular, so-called "Terada physics", in which phenomena in daily life was covered in depth, correlates well with his literary works. It is worth noting that such a direction of Torahiko is in contrast with those of most other Japanese scientists and engineers, who tried to use Western technologies without understanding their backgrounds. Actually, Torahiko studied the Western physics such as the X-ray physics during the early years of his careers. However, he subsequently changes his concern into geophysics etc with development of his original approaches and sights.

Keywords: Torahiko Terada, geomagnetism, engineering design