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Counterexamples in the work of Weierstrass

In this paper we examine the function of counterexamples in the work of Weierstrass. The point is to nuance a little the difference between the later emphasis on classifying pathology and the earlier, more naturalistic view of mathematical objects. The famous examples of Weierstrass will be placed in context of his rivalry with Riemann. The choice of topic is influenced by the fact that Weierstrass turned 200 on October 31, 2015.