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Animations in mathematics: cost and impact

Many mathematical concepts, even very abstract ones, can be represented efficiently with figures. Nonetheless, historically, there has been significant reluctance to use figures to convey intuition in mathematics. This uneasiness might be philosophical. But it might also stem from the historical lack of tools (difficulty in producing good mathematical drawings) or from ignorance (of current computer tools). Recently the possibility of doing animations has become very real. I will review the time cost of preparing these and their impact in the classroom. (And I'll show you some!)