

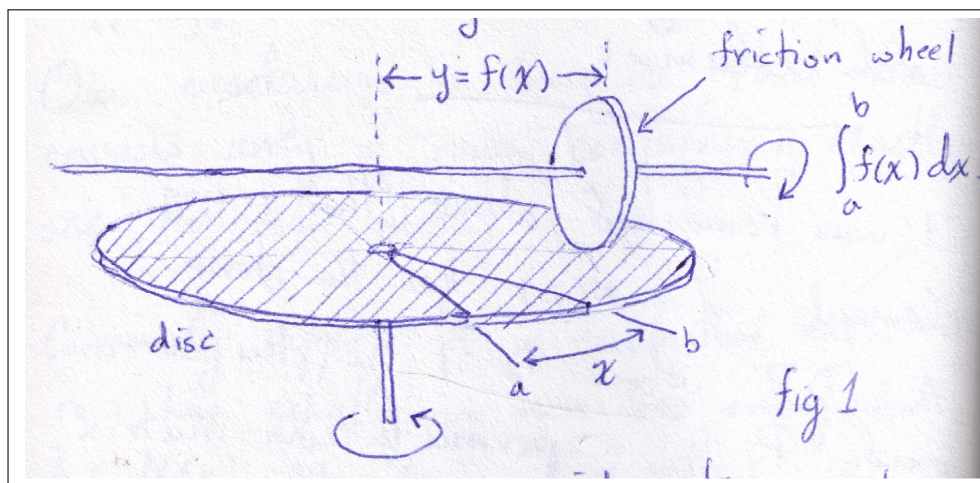
*Integrate THIS:
The mathematics of planimeters*

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Wednesday, October 5

1:00–1:50

Harris 4145



Abstract. A *planimeter* is a mechanical analog device that evaluates definite integrals. Planimeters have been mostly forgotten since the advent of computers, but at one time they were fairly common.

I will explain the history and mathematics of planimeters, and I will demonstrate the use of one that I made from two pieces of junk. It has only one moving part, but it can evaluate any definite integral within its reach.