

# Toilet Paper Turing Machines

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## **Abstract**

Indeed, Turing Machines are too darn abstract. This paper introduces a concrete (desiccated turds are pretty hard) model of computation that is widely available (we're still working on certain countries), inexpensive, and moderately durable. With a nod toward sustainability, we note with pride that TPTM's are imminently sustainable (unless it's raining, or a sudden bout of incontinence occurs) and recyclable. It should also be noted that, if widely adopted as a computational device, TPTM's could provide a viable answer to what to do with those millions of disposable diapers.

Of course, designing the read-write head involves adherence to many norms, some of which are cultural (we propose left-handed TPTM's for India, for example). In addition, TPTM's give new meaning to the phrase "that proof stinks". Further work involves investigation of portability (and potty-ability) issues.