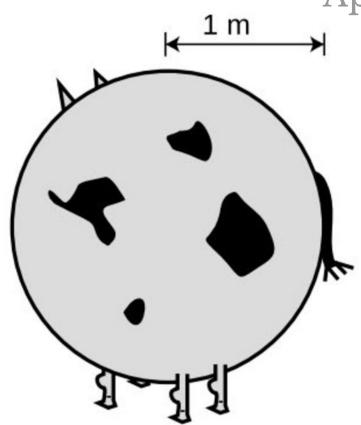
## **Applied Mathematics**

**Examples** 

Dr. Sam Macharia



s / Consider a spherical cow.

## **Table of Contents**

Introduction	 . 1
References	 . 2

## Introduction

The spherical cow [Lawrence-M-Krauss]

A physicist, an engineer, and a psychologist are called in as consultants to a dairy farm whose production has been below par. Each is given time to inspect the details of the operation before making a report.

The size of the stalls for the cattle should be decreased. Efficiency could be improved if the cows were more closely packed, with a net allotment of 275 cubic feet per cow. Also, the diameter of the milking tubes should be increased by 4 percent to allow for a greater average flow rate during the milking periods.



— The engineer

The inside of the barn should be painted green. This is a more mellow color than brown and should help induce greater milk flow. Also, more trees should be planted in the fields to add diversity to the scenery for the cattle during grazing, to reduce boredom.

— The psychologist

Assume the cow is a sphere ...

— The physicist

Lawrence M. Krauss [1]



How quickly does a candle burn?

We could perform a number of experiments to find the solution to our question.

Lawrence-N Books. 2007.	I-Krauss] Lawre ISBN 978046500	ence M. Kraus 07134 books.g	ss. Fear of Ph google	ıysics: A Gui	de for the Pe	rplexed. Basic