

# The $\tau$ vs $\pi$ argument is really long and interesting

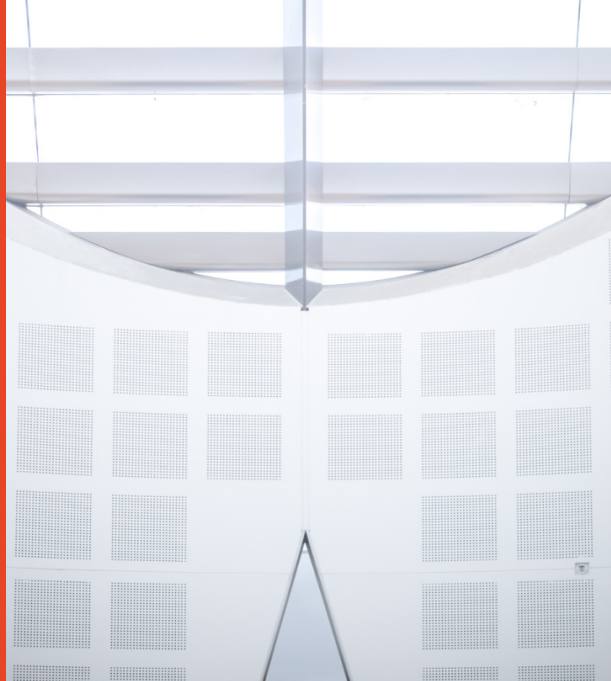
It is mostly a notational argument

Malcolm Ramsay

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THE UNIVERSITY OF  
SYDNEY



## Part I

**A part of the argument**

# Why use $\tau$ when there is $\pi$

## Theorem

$\tau$  is great when [dealing](#) with circles

### 1. Fourier transforms

$$\hat{f}(\zeta) = \int_{-\infty}^{+\infty} f(x) e^{-2\pi i x \zeta} dx \quad (1)$$

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#### 1. Fourier transforms

$$\hat{f}(\zeta) = \int_{-\infty}^{+\infty} f(x) e^{-2\pi i x \zeta} dx \quad (1)$$

#### 2. A simple pendulum

$$T \approx 2\pi \sqrt{\frac{L}{g}} \quad (2)$$

## Why not?

- ▶ A good question.

# Something centred

Word