

**Pi ( $\pi$ ) Day**, Thursday 3/14/19  
7 PM — Coffman Social Room  
( 5:45 PM Dining Hall reservations suggested)

with **Dane Stauffer**, M.C.

*Bring if you care a Pie to share  
We may add ice cream by the scoop.  
Pen a Limerick to Pi( $\pi$ ) or its square  
Then recite, and enjoy pie as a group.*



## Binary numbers

Computer track numbers in binary bits (0 & 1).  
The language may be primitive, it's also universal.

- The first 128 binary bits of Pi( $\pi$ ) appear below:

11.001001000011111101101010100010001000010110100011000010001101001100010  
011000110011000101000101110000000110111000001110011010001...

$$\pi = 11.0010010000111111011010101 \dots$$

$$\pi = 2^1 + 2^0 + 2^{-3} + 2^{-6} + 2^{-11} + 2^{-12} + 2^{-13} + 2^{-14} + 2^{-15} + 2^{-16} + \dots$$

$$\pi = 2 + 1 + 1/8 + 1/64 + 1/2048 + 1/4096 + 1/8192 + \dots$$

- Here are the first 50 decimal digits of pi( $\pi$ ):

$$\pi = 3.1415926535897932384626433832795028841971693993751\dots$$

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*Pi ( $\pi$ ) Day is sponsored by the Committee on Binary Bits,  
wherein Numbers one (1) and zero (0) we employ,  
whilst oven-baked Pie is sliced to Savory Bites  
for Residents of Coffman to enjoy.*

— G. Anderson, chair