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 π DAY 2022

music

GREGORY COLES

words & art

EMMA BEAUXIS-AUSSALET

math & engraving

MARTIN KRZYWINSKI

Welcome to a musical exploration of π .

Experience this famous number from its beginning (314...) to its very* end (...264). Learn math (Wallis Product) and tell a joke (Feynman Point). Explore its digits through repetition (nn) and zeroes (null).

The album is arranged for solo piano and inspired by the greats of 20th century classical music in the style of Boulez and Stockhausen (314...), Ligeti (Feynman Point), Reich and Glass (Wallis Product), Satie (nn), Feldman (null), Kelly, Monk and Powell (...264).

Each piece is accompanied by a piku (π ku), which is a poem whose syllable count is determined by the digits of π .

*known as of August 2021

9 314...

The first 282 digits (3.1415...64821)

17 Feynman Point

9's and 99's up until the first 999999

27 Wallis Product

The first six terms of the calculation of $\pi/4$

33 **nn**

36 adjacent runs of repeated digits

39 **null**

First 116 runs of digits delimited by 0

45 **...264**

The last two minutes of the 62.8 trillion digit world record^{Aug 2021} computation of π

- There you go
 Straight
 Number me not
- 1 Scales
- 5 There is more of me
- 9 To forget than you can remember



314...































- 9 My oh my! Nine o'clock! My oh my!
- 9 Et cetera oh et cetera...
- 9 Almost! Oh oh! More! Oh oh! Almost!
- 9 Et cetera oh et cetera...
- 9 Oh nine o'clock! Oh more! Oh more oh!
- 9 And so on, and so on, and so on.











Feynman Point







h = 300 Spiritedly















































p subito

- Neighbours
 Scale,
 Divide,
 Multiply.
 Odds get even,
 Squares round off.



Wallis Product



















9

₹ 8^{vb}



- 2 No where
- 2 Now here

- 5 Alone together5 Alone two gather4 The same difference
- 4 The sane grief ends



22 11 22 11

nn

















- 4 Tranquility7 Equidistantiated5 Immobility2 Silence

- 1 Fall
- 6 Materialisation
- 2 Silence







three one four A NUMBER OF NOTES

null





















41

- 9 We know we can never have it all
- 2 Never
- 4 But yet can we
- 2 Ever
- 6 In endless scarcity4 Have just enough?



...264



= 180 Relentlessly computing





















































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