

# The Pi Waltz

in the key of Eb

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Adagio 76

Musical score for Adagio 76. The score consists of two staves: treble and bass. The treble staff has a dynamic of *p*. The bass staff has a dynamic of *p*. Fingerings are indicated above the notes: 2, 1, 5, 3, 2, 1, 2, 1, 5, 3, 2, 1, 2, 5, 3, 1, 3, 1, 3. Articulations include *rit*, *dashed line*, *atempo*, and *trill*. Measures 1 through 5 are shown.

Allegro 130

Musical score for Allegro 130. The score consists of two staves: treble and bass. The treble staff has a dynamic of *p*. The bass staff has a dynamic of *p*. Fingerings are indicated above the notes: 1, 5, 4, 1, 5, 4. Articulations include *rit*, *dashed line*, *mp*, and *trill*. Measures 6 through 10 are shown.

Musical score for measures 14 through 20. The score consists of two staves: treble and bass. The treble staff has a dynamic of *p*. The bass staff has a dynamic of *p*. Fingerings are indicated above the notes. Articulations include *mf* and *trill*. Measures 14 through 20 are shown.

Musical score for measures 21 through 27. The score consists of two staves: treble and bass. The treble staff has a dynamic of *p*. The bass staff has a dynamic of *p*. Fingerings are indicated above the notes. Articulations include *mp* and *trill*. Measures 21 through 27 are shown.

Musical score for measures 28 through 34. The score consists of two staves: treble and bass. The treble staff has a dynamic of *p*. The bass staff has a dynamic of *p*. Fingerings are indicated above the notes. Articulations include *trill*. Measures 28 through 34 are shown.

41

50

59

68

76

83 rit - - - Adagio 68 Allegro 134

92

101 rit - - - atempo

110 rit - - - atempo f

118 rit - - - atempo ff 8 2. p 3 1 2 5 4 mp

126

8

rit

atempo

*mf*

135

3 5 1 4 4 4 2 3 2 3 5

*p*

144

*mf*

rit - - -

Allegro 120

153

*mf*

*mp*

*p*

*f*

*ff*

162

rit

*Adagio 68*

*mp*

171

This song was arranged using the digits of pi base 12 in the chromatic scale as the melody notes. I set the timing of the melody notes, and added the accompaniment in the left hand. Each and every beat the right hand is playing on, the highest note is the next digit of pi base 12. The song repeats the first phrase, goes up to the 330th digit, and resolves back to the beginning to finish.

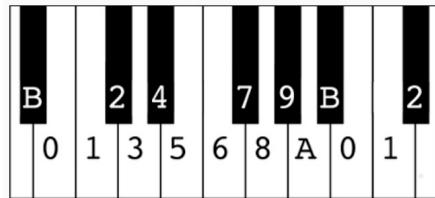
Below, each line represents an 8 measure phrase. The digits are spaced into measures. The dashes represent held beats.

$\pi$  base 12 = 3.184809493B918664

3-- 1-- 848 0-- 949 3B9 186 6--  
 4-- 5-- 73A 6-2 11B B15 155 1--  
 A-- 0-- 5-- 7-- 2-- 9-- 2-- 9--  
 0-- A-- 780 9-- A49 274 2-1 4-0  
 A-- 6-0 A-5 525 6-A 0-6 61A 0--  
 3-- 753 A-3 A-A 5 480 5 646  
 880 181 A36 830 8-3 272 BBB A0A  
 370 B-1 226 5 529 A 828 903  
 B-- 4-- B25 6-- B-8 4-0 3-7 5--  
 9-- A-- 71- 626 B8A 5-4 687 6-2  
 184 9-- B84 9-- A-8 225 6-- 1--  
 6-- B-4 427 9-- 6-A 3-1 737 B--  
 229 B-2 3-9 148 9-8 5-3 9-4 3B8  
 7-- 6-3 7-- 2-5 6-- 164 472 36B  
 0-- 2-7 A-4 2-- 1AA 17A 38B 52A  
 18A 838 B-0 151 4-A 511 44A 233  
 15A 3-- 009 A-- 8-9 0-6 B61 B--  
 8B4 8-A 6-- 225 3-- A88 A50 A43  
 B-- A-0 9-- 4-- 457 2-- 3-1 5-9  
 3-3 6-6 4-4 7-- 6B3 A-A B-B 7-7

3.-- 1-- 848 0-- 949 3B9 186 6-4 4

The only melody note that is *not* a digit of pi is the final note. I wrote that one.  
 Jim Zamerski



0=B  
 1=C  
 2=C#  
 3=D  
 4=D#  
 5=E  
 6=F  
 7=F#  
 8=G  
 9=G#  
 A=A  
 B=Bb