Music and Math in Harmony by Paul VanRaden 2002, 2023

Summary

A variety of scales, tuning systems, and types of harmony are derived using simple math. The resulting tones are mapped onto a new piano keyboard. Traditional music theory uses a standard keyboard with an uneven key pattern that has been copied without thought for more than 700 years. On a new, electronic keyboard with evenly spaced keys, beginners could choose fewer tones and professionals could choose more tones to produce different and better music.

Keyboards and Tuning (2023 ppt presentation)

Musical Scales (2023 ppt presentation with audio)

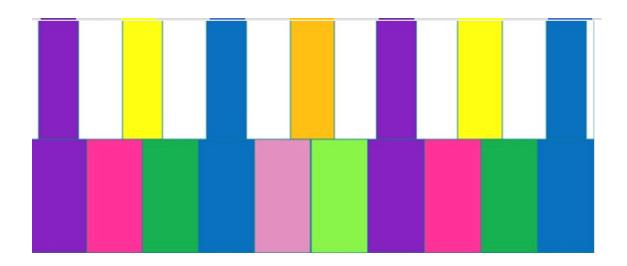
Music and Math in Harmony (2002 full article)

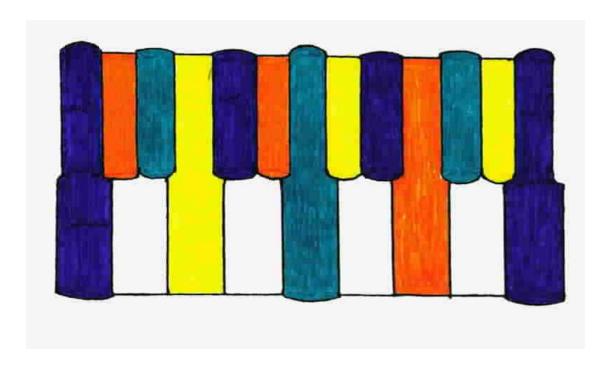
A Scalable Piano Keyboard (2002 patent application)

VanRaden's Theory of Music (2002 audio tape, 45-minute)



Angel VanRaden wants a simpler piano keyboard easier to play.





Daddy hopes she will like new, scalable piano keyboards.

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