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Tuning following the cycle of fifths


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Tuning following the cycle of fifths


Comparison to
"cycle" of octaves


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Comparison to
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Comparison to
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Comparison to "cycle" of octaves


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Comparison to
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Comparison to
"cycle" of octaves

Tuning following the cycle of fifths

Comparison to<br>"cycle" of octaves



Tuning following the cycle of fifths


Comparison to "cycle" of octaves

commensurate intervals (e.g. Young temperament)

(Pythagorean fifth)
incommensurate intervals (equal temperament)
commensurate intervals (e.g. Young temperament)

(Pythagorean fifth)
incommensurate intervals (equal temperament)

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commensurate intervals (e.g. Young temperament)


(Pythagorean fifth)
incommensurate intervals (equal temperament)

(Equal temperament tritone)

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commensurate intervals (e.g. Young temperament)


(Pythagorean fifth)
incommensurate intervals (equal temperament)


(Equal temperament tritone)

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commensurate intervals (periodic repetitions)


(Pythagorean fifth)
incommensurate intervals (aperiodic)


(Equal temperament tritone)

Quantum particles in.
...commensurate intervals incommensurate intervals (periodic repetitions) (aperiodic)

Quantum particles in..


Quantum particles in..


Quantum particles in...

...crystals (periodic repetitions)
...quasicrystals (aperiodic)
...crystals (periodic repetitions)
...quasicrystals (aperiodic) delocalized

## delocalized

or critical
or locallized








## Conclusion:

## from

the perspective of quantum physics equal temperament isn't all that boring

Elio König-Taracevich

