

"By Ear" Temperament Tuner's Cheat Sheet
 Quick instructions on how to tune some common temperaments by ear.
 Suitable for analog & digital harpsichords.

Kirnberger:

- C5 then C4
- C4 - E4 pure
- C - F - B \flat - E \flat - A \flat - D \flat pure
- E - B - F \sharp pure
- C - G - D - A - E - $\frac{1}{4}$ comma

Werckmeister:

- A4 then A3
- F3 - A3 2 bps* wide
- F3 - C4 pure
- F - B \flat - E \flat - A \flat - D \flat - F \sharp pure
- A3 - E4 pure, then E3
- E3 - B3 pure
- Check B - F \sharp is - $\frac{1}{4}$ comma
- C4 - G4 - $\frac{1}{4}$ comma, then G3
- G3 - D4 - A4 - $\frac{1}{4}$ comma
- Confirm G - D, B - F \sharp , C - G, D - A - $\frac{1}{4}$ comma

Quarter-comma Meantone:

- A4 then A3
- F3 - A3 pure
- F - C - G - D - A - $\frac{1}{4}$ comma
- A - C \sharp pure
- G - B, G - E \flat pure
- D - F \sharp , D - B \flat pure
- C - E - G pure

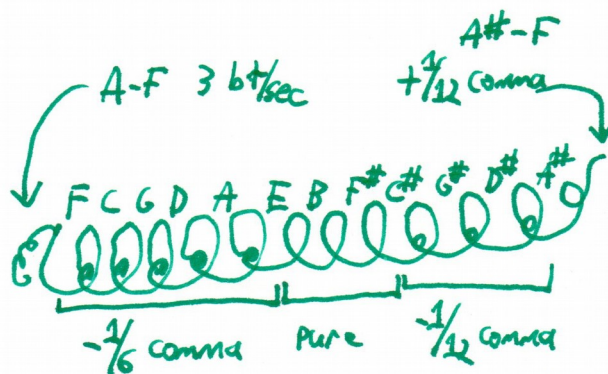
Vallotti:

- A4 then A3
- F3 - A3 3 bps* wide
- F - B \flat - E \flat - A \flat - D \flat - G \flat - B pure
- A - E, E - B - $\frac{1}{6}$ comma
- F - C - G - D - $\frac{1}{6}$ comma

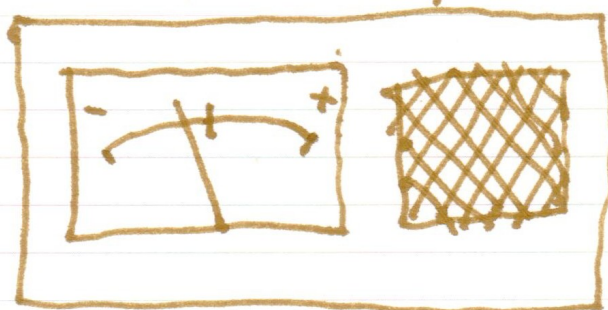
Young:

- A4 then A3
- F3 - A3 3 bps wide
- F - C - G - D - A - E - B - $\frac{1}{6}$ comma
- Retune F: F - C pure
- F - B \flat - E \flat - A \flat - D \flat - G \flat pure
- Check G \flat - B - $\frac{1}{6}$ comma

Bach/Lehman:



Equal Temperament:



Use an electronic tuner

*bps: Beats Per Second



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