

Definition: Musical Interval

*The interval from \hat{x} to \hat{y} (where $\hat{x}, \hat{y} \in \mathbb{W}$) is the number of semitones you have to add to \hat{x} to get to \hat{y} , due to the interaction between *NIN* and *SIN* it follows that*

$$\hat{x} + (y - x) = x \widehat{+} y - x = \hat{y}$$

Therefore in general the interval from \hat{x} to \hat{y} is $y - x$.