## Oscillators

## **Transpose**

Transpose shifts the pitch of the oscillator by the given number of semitones.

| Frequency | Transpose | Resulting Frequency |
|-----------|-----------|---------------------|
| 440       | 0         | 440                 |
| 440       | 12        | 880                 |
| 440       | -12       | 220                 |
| 220       | 12        | 440                 |

## Oscillators

## Detune

Detune shifts the pitch of the oscillator by much smaller amounts: 1/100th of a semitone

| Frequency | Detune | Resulting Frequency |
|-----------|--------|---------------------|
| 440       | 0      | 440                 |
| 440       | 4      | ~ 441               |
| 440       | -50    | ~ <i>427.</i> 5     |