

Interval Ear Training Cheat Sheet

interval chart

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| # of Half Steps | Name | Feel/Emotion | Song Reference (Ascending) | Song Reference (Descending) |
|-----------------|-------------|-----------------------------------|---|--|
| 1 | minor 2nd | close - tense - dissonant | "Jaws" | "Für Elise" |
| 2 | major 2nd | bland - "stepping" | "You Really Got Me" "Happy Birthday" "Frère Jacques" | "Mary had a little lamb" |
| 3 | minor 3rd | soft - easy | Brahm's Lullaby "Smoke On The Water" "Iron Man" | "Hey Jude" - Beatles |
| 4 | major 3rd | bright - uplifting | "Oh When The Saints" "Kumbaya" | Clock Song - "Westminster Chimes" |
| 5 | perfect 4th | stable - open - peaceful | "Here Comes the Bride" "Taps" "Oh Xmas Tree" | "I've been working on the rail road" |
| 6 | tritone | alarming - disturbing - dissonant | "The Simpsons" "Maria" "Purple Haze" | "YYZ" - Rush |
| 7 | perfect 5th | regal - anthemic - stable | Star Wars Theme Superman Theme 2001: A Space Odyssey | Flintstones Theme |
| 8 | minor 6th | dissonant - unstable - ugly | "The Entertainer" | 100 years - Five for Fighting |
| 9 | major 6th | bright - jumpy - pointy | "NBC" "Jingle Bells" - Dashing through the snow | "Music of the Night" - Phantom of the Opera |
| 10 | minor 7th | bluesy - muddled - bland | "Have you driven a Ford" "Can't Stop" - Red Hot Chili Peppers | ????? |
| 11 | major 7th | disconnected - unstable | Willy Wonka "A world of pure imagination" "Somewhere over the rainbow" "Take On Me" - Aha | "Have yourself a merry little Christmas" |
| 12 | octave | stable - similar - smooth | "My Sharona" "Somewhere Over the Rainbow" | "Bulls on Parade" - Rage Against the Machine |

green = stable and consonant

red = unstable and dissonant

Interval ear training cheat sheet is an essential tool for musicians, composers, and music students who seek to improve their aural skills. Developing the ability to recognize and identify musical intervals by ear is crucial for understanding melodies, harmonies, and the overall structure of music. This comprehensive guide will explore what intervals are, why they matter, and how to effectively use an interval ear training cheat sheet to enhance your musical abilities.

Understanding Intervals

Intervals are the building blocks of music, representing the distance between two pitches. They are categorized based on their numeric and qualitative characteristics. Each interval has a unique sound and emotional quality, which contributes to the overall mood and texture of a piece.

Types of Intervals

Intervals can be classified into several categories:

1. **Perfect Intervals:** These include the perfect unison, perfect fourth, perfect fifth, and perfect octave. They are often considered stable and consonant.
2. **Major and Minor Intervals:** Major intervals include the major second, major third, major sixth, and major seventh, while minor intervals include the minor second, minor third, minor sixth, and minor seventh. The difference between major and minor intervals is typically one half-step.
3. **Augmented and Diminished Intervals:** Augmented intervals are a half-step larger than perfect or major intervals, while diminished intervals are a half-step smaller than perfect or minor intervals. These intervals often create tension and dissonance.

Why Interval Recognition is Important

Recognizing intervals is fundamental for several reasons:

- **Melodic Understanding:** Being able to identify intervals helps musicians understand and transcribe melodies.
- **Harmonic Analysis:** Intervals form the basis of chords; recognizing them aids in analyzing harmonic progressions in music.
- **Improvisation and Composition:** A solid grasp of intervals allows for more creative improvisation and composition, as musicians can easily navigate between different notes and chords.
- **Sight-Singing:** Musicians who can identify intervals can learn to sight-sing more effectively, improving their overall musicianship.

Using an Interval Ear Training Cheat Sheet

An interval ear training cheat sheet can be a valuable resource for both beginners and advanced musicians. It can help you quickly reference the properties of different intervals, their sound characteristics, and effective practice methods.

Components of a Cheat Sheet

A well-structured cheat sheet should include the following components:

1. **List of Intervals:** A clear list of all intervals, from the perfect unison to augmented intervals, along with their abbreviations (e.g., P1, M2, m3, P4).
2. **Sound Examples:** Links or references to audio examples of each interval to facilitate

auditory recognition.

- 3. Common Songs and Melodies: A list of well-known songs or melodies that start with specific intervals to make it easier to remember their sound.
- 4. Visual Representation: A visual representation of intervals on a piano keyboard or staff to provide a reference for their physical spacing.
- 5. Practice Exercises: Suggestions for practice exercises to improve interval recognition.

Interval Cheat Sheet Example

Below is a simplified example of what an interval ear training cheat sheet might look like:

| Interval | Abbreviation | Sound Characteristic | Example Songs |
|----------------|--------------|------------------------------|---------------------------------|
| Perfect Unison | P1 | Same pitch | "Twinkle, Twinkle, Little Star" |
| Major Second | M2 | Whole step | "Happy Birthday" |
| Minor Third | m3 | One and a half steps | "Smoke on the Water" |
| Perfect Fourth | P4 | Stable, open sound | "Here Comes the Bride" |
| Perfect Fifth | P5 | Strong, consonant sound | "Star Wars Theme" |
| Major Sixth | M6 | Sweet, uplifting sound | "My Bonnie Lies Over the Ocean" |
| Minor Seventh | m7 | Tension, dissonant sound | "Take On Me" |
| Perfect Octave | P8 | Same pitch, one octave apart | "Somewhere Over the Rainbow" |

Practicing Interval Recognition

Effective practice is key to mastering interval recognition. Here are some strategies to help you get started:

Listening Exercises

- 1. Interval Identification: Play two notes in succession and try to identify the interval by ear. Use your cheat sheet to check your answers.
- 2. Singing Intervals: Sing intervals after hearing them to reinforce your recognition skills. Start with simple intervals and gradually work up to more complex ones.
- 3. Chord Progressions: Listen to common chord progressions and try to identify the intervals between the notes in each chord.

Application Techniques

- Transcribing Music: Choose songs you enjoy and try to transcribe them by ear, paying particular attention to the intervals used.
- Duets: Play music with another musician and challenge each other to identify intervals in real-time.
- Interval Games: Use interval training apps or online games that focus on identifying and practicing intervals.

Daily Practice Routine

Creating a daily practice routine can significantly improve your interval recognition skills. Here's a suggested routine:

1. Warm-Up (5-10 minutes): Start with simple scales and arpeggios, focusing on the intervals within them.
2. Interval Training (10-15 minutes): Use your cheat sheet to practice identifying intervals and singing them back.
3. Listening Practice (10-15 minutes): Listen to music and try to identify intervals in familiar songs.
4. Transcription (10-15 minutes): Choose a short piece of music and attempt to transcribe it by ear, focusing on the intervals.
5. Review (5-10 minutes): End your session by reviewing what you learned, using your cheat sheet as a reference.

Conclusion

Incorporating an interval ear training cheat sheet into your music practice can significantly enhance your ability to recognize and understand musical intervals. By familiarizing yourself with the different types of intervals, their sound characteristics, and effective practice strategies, you can improve your aural skills and musicianship. Whether you are a beginner or an advanced musician, consistent practice and the use of resources like a cheat sheet will lead to greater confidence and proficiency in your musical endeavors. With time and dedication, the ability to identify intervals by ear will become second nature, enriching your overall musical experience.

Frequently Asked Questions

What is an interval ear training cheat sheet?

An interval ear training cheat sheet is a quick reference guide that helps musicians recognize and identify musical intervals by ear, often featuring visual aids, examples, and tips for practice.

Why is interval ear training important for musicians?

Interval ear training is crucial for musicians as it enhances their ability to identify pitches, harmonies, and melodies, improving overall musicianship, improvisation skills, and music reading abilities.

What intervals are typically included in an interval ear training cheat sheet?

A typical cheat sheet includes major, minor, perfect, augmented, and diminished intervals, ranging from seconds to octaves, along with their characteristic sounds.

How can I effectively use an interval ear training cheat sheet?

To effectively use a cheat sheet, listen to examples for each interval, practice singing or playing them, and regularly test yourself to reinforce your recognition skills.

Are there online resources available for interval ear training?

Yes, there are numerous online resources, including apps and websites that provide interactive exercises and tools for interval ear training, often accompanied by cheat sheets.

What are some common mistakes to avoid when using an interval ear training cheat sheet?

Common mistakes include relying too heavily on the cheat sheet without practicing ear training exercises, neglecting to actively listen, and failing to regularly assess progress.

Can interval ear training enhance my songwriting skills?

Absolutely! Interval ear training can enhance songwriting skills by improving your ability to construct melodies and harmonies, leading to more creative and effective compositions.

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