## LearnMusic Theary, net <br> 6.12 Interval Vectors

## Basic Definitions

An interval class refers to the number of half steps in an interval.
If the interval is larger than an octave (i.e., a compound interval), reduce it to a simple interval (<octave).
If the interval is larger than 6 half steps (tritone), invert it at the octave.
Enharmonic spellings are not a consideration here, only the number of half steps.
An interval vector is a catalog of the interval classes present in a given sonority.


## Sample interval vector example



Given sonority


Adding up, we have $\underline{\mathbf{1}}$ interval class $1, \underline{\mathbf{2}}$ interval class 2 intervals, $\underline{\mathbf{2}}$ interval class 3 intervals, $\underline{\mathbf{1}}$ interval class 4 interval, $\underline{\mathbf{3}}$ interval class 5 intervals, and $\underline{\mathbf{1}}$ interval class 6 interval.

So the interval vector for the given sonority is [122131].

