NAME

vox — determine number of simultaneously active pitches

SYNOPSIS

vox [*inputfile* ...] [> *outputfile.vox*]

DESCRIPTION

The **vox** command calculates the number of tones sounding together at successive moments in time. It outputs a single Humdrum spine (**vox#) where successive integers indicate the total number of concurrently sounding pitches for each data record. Multiple-stops are properly supported.

The **vox** command accepts as input any pitch-encoded Humdrum representations listed below. For descriptions of the various input representations refer to Section 2 *(Representation Reference)* of this reference manual.

It is recommended that output files produced using the **vox** command should be given names with the distinguishing '.vox' extension.

**cbr	critical band rate (in equivalent rectangular bandwidths)
**cents	hundredths of a semitone with respect to middle C=0 (e.g. 1200 equals C5)
**cocho	cochlear coordinates (in millimeters)
**deg	key-related relative scale degree
**degree	key-related absolute scale degree
**freq	fundamental frequency (in hertz)
**kern	core pitch/duration representation
**pc	pitch class representation
**pitch	American National Standards Institute pitch notation (e.g. "A#4")
**semits	equal-tempered semitones with respect to middle C=0
**solfa	tonic solfa syllables
**solfg	French solfège system (fixed 'doh')
**specC	spectral centroid (in hertz)
**Tonh	German pitch system

Input representations processed by **semits**.

OPTIONS

The **vox** command provides only a help option:

-h displays a help screen summarizing the command syntax

Options are specified in the command line.

PORTABILITY

DOS 2.0 and up, with the MKS Toolkit. OS/2 with the MKS Toolkit. UNIX systems supporting the *Korn* shell or *Bourne* shell command interpreters, and revised *awk* (1985).

SEE ALSO

vox# (2)