

Knowtation: Pages through notes and commands. Text commands are interpreted by the system. The score can be modified and written to in real time during performance.

Progress and status of Knowtation.

Name and state of sequence and ramp modulators.

Actions and commands for each of the instruments.

Knowtation Guitar tab display.

MACIAS Musician's Screen 3/15/06

State of the four probabilistic melodic generators; including pitch trajectories, dynamics, and play / record activity.

State of the four Markov chain analyzers / players.

State of probabilistic chord generator. Chord and melody generators learn from live play.

Drunk displays the state of four advanced random number generators.

The screenshot displays a complex software interface for a musician. At the top, there are two musical staves with notes and rests. Below these are several control panels and data displays. On the left, there are four vertical panels labeled 'Rand', 'Markov', 'Chord', and 'Drunk', each with various indicators and buttons. In the center, there are several tables and lists of parameters, including 'Audio', 'Vio', 'Bass', and 'Gtr'. On the right, there are more control panels, including one for 'Haute.d.Haute' with a 'STOP' button and a timer, and another for 'Loop.Manual' with buttons for 'All', 'Rec', 'Rep', 'Loop', 'Start', and 'Clear'. At the bottom, there are several smaller panels and a large display area with a joystick and various buttons.

Synth voice monitor. Displays pitch, velocity, and volume.

Status of the Delay, Freq Shift, Ring Mod, Filter, and Loop audio processors.

Name and status of piece.

Mixing and audio routing.

Status of the multi-channel audio capture system.

Represents the state of the guitar and its controls; including pick position, string bend, pitches, joystick, dynamics, and XYZ position.

Six melodic atom generators create micro-melodies for adornment or to build larger phrases.

Foot switch functions change with the state of the peice. The current functions are displayed here.

Displays tempo, duration, density, phrase length, score follower, and pitch center extracted live from the instruments.

Status of the four table based melodic generators.