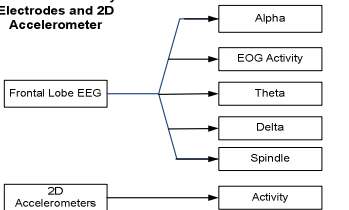


**Headband with Dry  
Electrodes and 2D  
Accelerometer**



**Mapping from EEG Features to Eight-  
Channel Sonic Landscape  
(Max/MSP)**

**Stage 1**

*Tremolo from Alpha  
Activity*

**Stage 2**

*Decreasing tremolo,  
enveloped tones  
triggered by  
increasing spindle  
bursts*

**Stage 3**

*Increasing enveloped  
tones from spindles,  
decreasing spectral  
complexity caused by  
increasing slowwave  
activity*

**Stage 4**

*Least spectral  
complexity, removal of  
one tone when this  
stage (deep sleep) is  
reached*

**REM**

*Increasing Octophonic  
Panning of Tones*