GLOSSARY

Coherent databases: those which have an inherent continuity on some field or fields. These include visual databases like medical scans or staellite imagery. Non-coherent databases have no inherently continuous fields and include statistical databases such as population demographics. (ref. Grinstein, Pickett, and Williams, *EXVIS: An Exploratory Visualization Environment*)

evolutionary event: A sound event whose parameters are not all specified at the time of involkation. One or parameters are bound to some ongoing process which is updated as the event is sounding.

extrasound relationships: These are relationships that are established between sound and entities that exist outside the domain of sound.

fully formed event: A sound event whose parameters are completely specified before the sound is involked. See evolutionary event.

intersound relationships: These are relationships that are established between and among sounds. It is through the pattern of sounds that meaning is conveyed. A simple example would be assigning specific meaning to a particular motif.

intrasound relationships: These are relationships established among the parameters of individual sounds themselves. For example, a message or datum may be encoded by establishing a particular relationship among the pitch, timbre and duration of the sound.

Inverse Square Law: In a free field, sound intensity is inveresly proportional to the square of the distance from the source.

JND: See Just Noticable Difference

Just Noticable Difference: Then smallest amount that something can be changed and still be perceived. The just noticeable difference (JND), therefore, defines the finest grain of resolution of the perceptual system. Note that JND is generally measured in ideal listening circumstances. In practice, therefore, the effective JND is even larger.