

Thus, we see from the above example that our human music also has temporal  $1/f$  noise fluctuations intrinsic to the ***playing/performance*** of live music! Why? Because the nerve signals associated with the totality of playing a musical instrument (whether alone/solo, or in a band / ensemble, or whole orchestra) in going to/from our brains, traveling along myelinated nerve fibers also intrinsically exhibit temporal  $1/f$  noise fluctuations! Thus, in this sense, it is not at all surprising that human music indeed reflects this fact, with its own temporal  $1/f$  noise fluctuations in amplitude/loudness, frequency/pitch and beat/tempo/rhythm!

Humans also ***do*** much appreciate/enjoy ***complexity*** and ***richness*** in music – *e.g.* vibrato, the chorusing effect of superposing individual sounds from multiple identical instruments – as in an orchestra – each with their own temporal  $1/f$  noise fluctuations...

It has often been said that human music is “universal” in nature, in that it transcends all human cultures; our music communicates something (*i.e.* emotions/feelings) to all humans. The above offers another window/perspective on the “universal” nature of human music, with its intrinsic forms of temporal  $1/f$  noise fluctuations, which are manifest/operative in the everyday world, all around us!