

STRING THEORY PROGRAM NOTES

What is string theory?

This is not an attempt to explain a complex theory of physics but simply to marvel and be inspired by this idea as a springboard for musical interpretation.

The theory of strings is the notion that everything in our universe is made up of amazingly little vibrating strands of energy called strings. So small that if an atom were the size of our solar system, a string would be the size of a house. String theory also presumes that these tiny strings that vibrate in many different ways compose all matter in the universe and are at least of four-dimensions, not three-dimensional as we understand it.

The musical interpretation is two-fold.

The first interpretation is expressed in the four dimensions of light, electricity, magnetism and time composed in four movements.

Movement 1 is an interpretation of light waves streaming, beams powerful, saturating.

Movement 2 is electricity - static, currents of energy swirling and stirring as it melds with light as light somehow tames it, then ending on a diatonic chord.

Movement 3 is magnetism. This section has a dance like quality, reacting with light and electricity in a lively, spirited and uplifting way. The voices of strings almost become one.

Movement 4 is the interpretation of the element of time absorbed with the other three dimensions so now a sense of coherence and unity unfolds, blended, finally, in consonant harmony and serenity.

The second musical interpretation is of the strings themselves.

Firstly, they vibrate at a microscopic level, then unstable fragments connect with others subsequently synchronising with other strings then lastly creating a sense of balance and harmony.

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