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Haptic Arduino and CME Mass Calculation

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Due to the limited sensibility of vision, astronomers usually only "look at" computer purified data sets. Auditory and tactile means provide brand-new ways for us to examine the sky. Inspired by Harvard Astronomy Lab and Clay Telescope's Orchestar (color arduino), we present the proof of concept of a very sensitive yet simple device to transfer color into sounds and haptic motion built by Adafruit components.

The device shows potential for calculating the masses of coronal mass ejection (CME) and other astronomical quantities. Using techniques similar to sonification analysis, we could hear and feel more hidden information and thus extract valuable critical points out of the chaotic data set.

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