

Pendulum Wave

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{youtube}1M8ciWSgc_k{/youtube}

This is a wave pendulum designed using billiard balls, this device shows how 15 individual pendulum of different (but relative) lengths that have been adjusted to have successively increasing periods. When all the balls are released at the same time, the different periods cause the pendulums to cycle through all possible relative phase relationships, eventually returning to the beginning arrangement.

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