共振のシミュレーション動画

『初等物理学における共鳴・共振現象に関する教材研究 — 気柱と弦の振動 —』 をもとに作成

発表者 _____

ウェブサイト版

Githubのページ

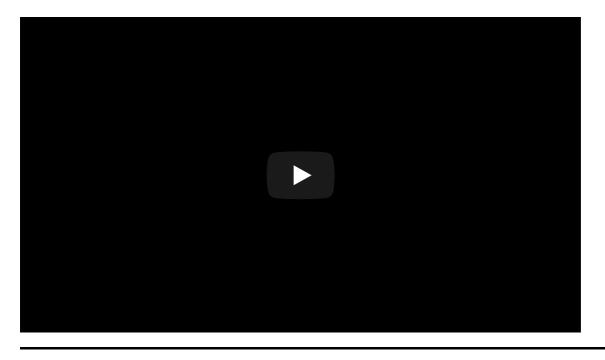
弦の共振

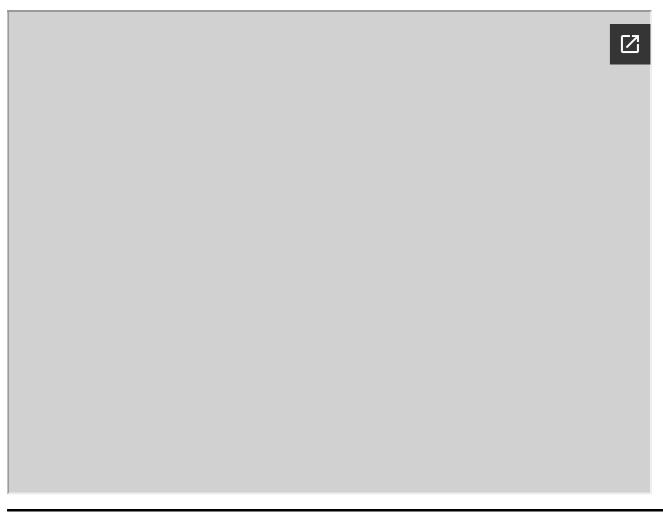
弦の共振

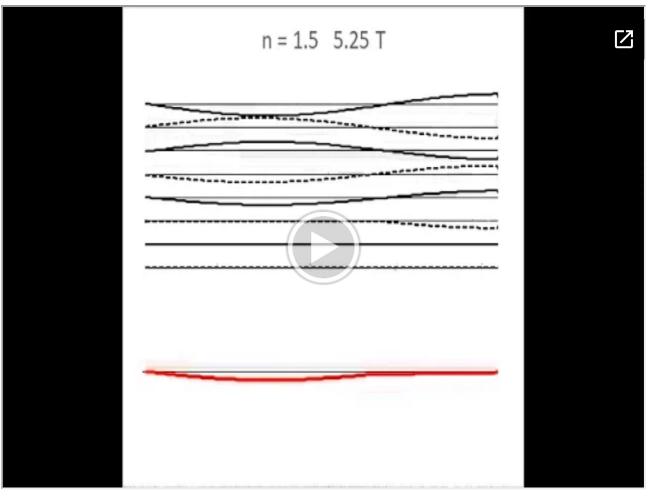
• 両端で反射する波が連続で重なりあう。弦の長さと波長が<mark>ちょうど良い関係</mark>のとき、合成波は大きく成長する。

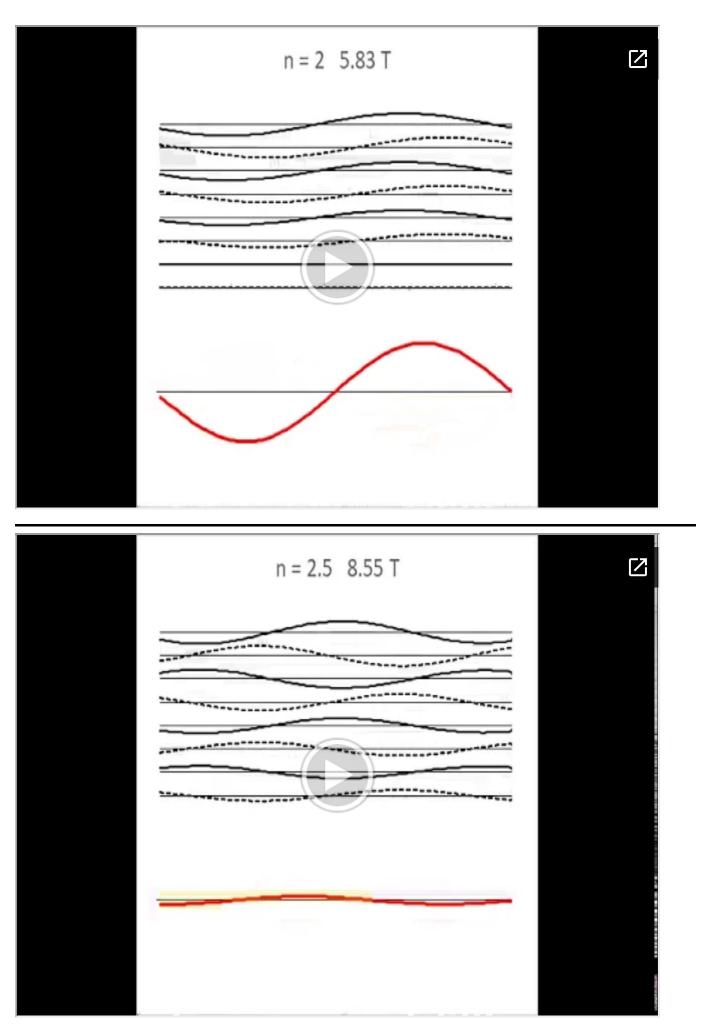
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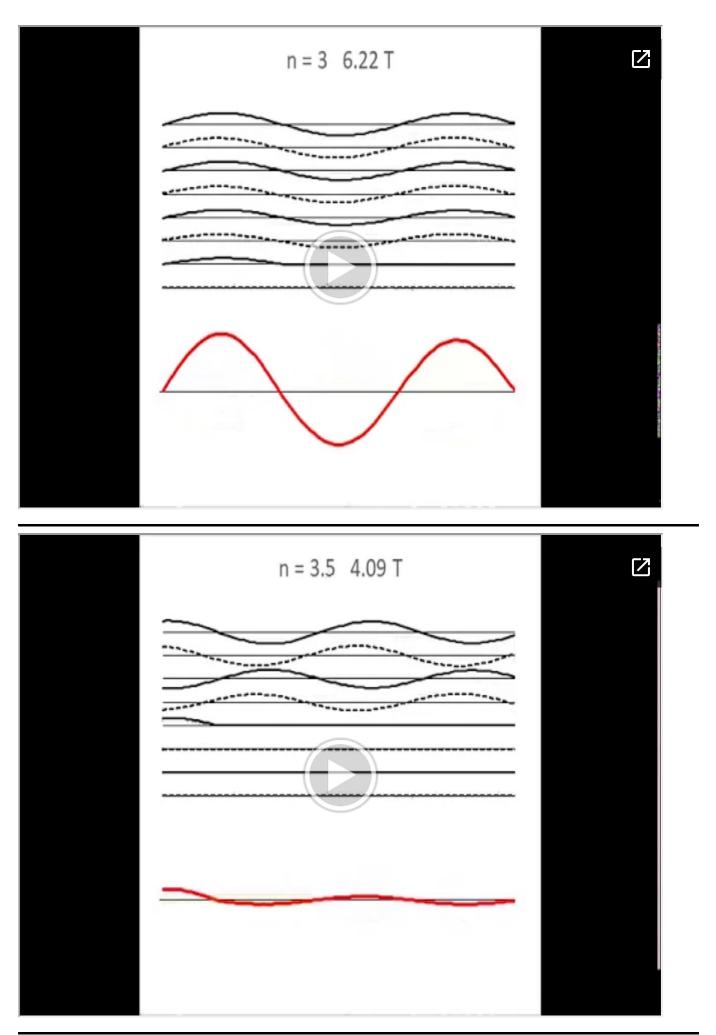
参考:実験の図

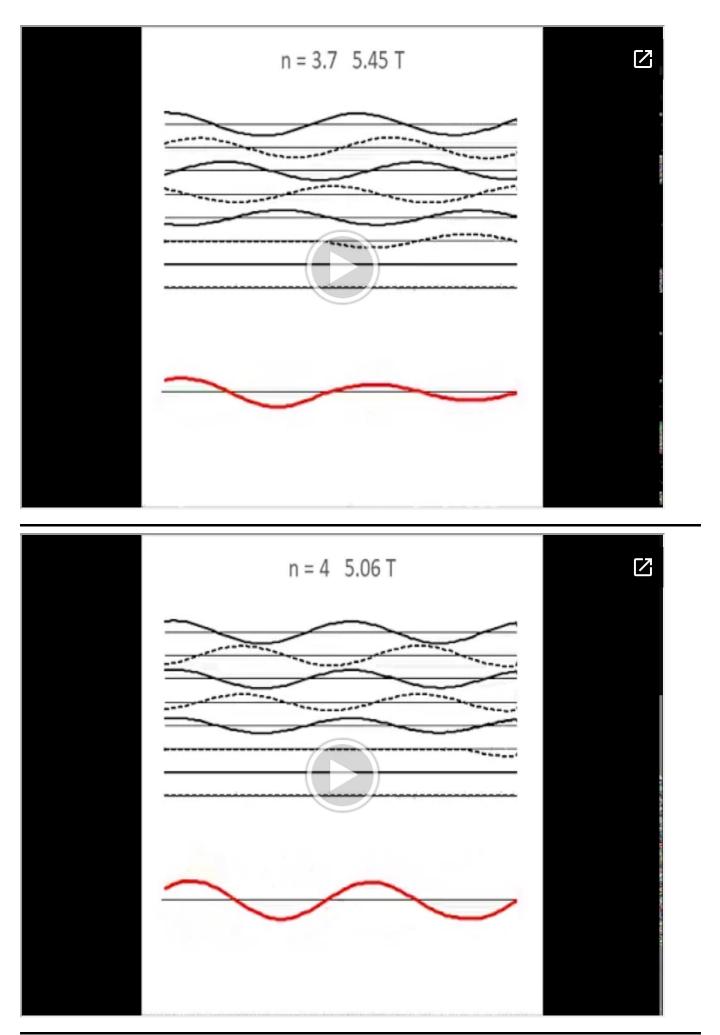


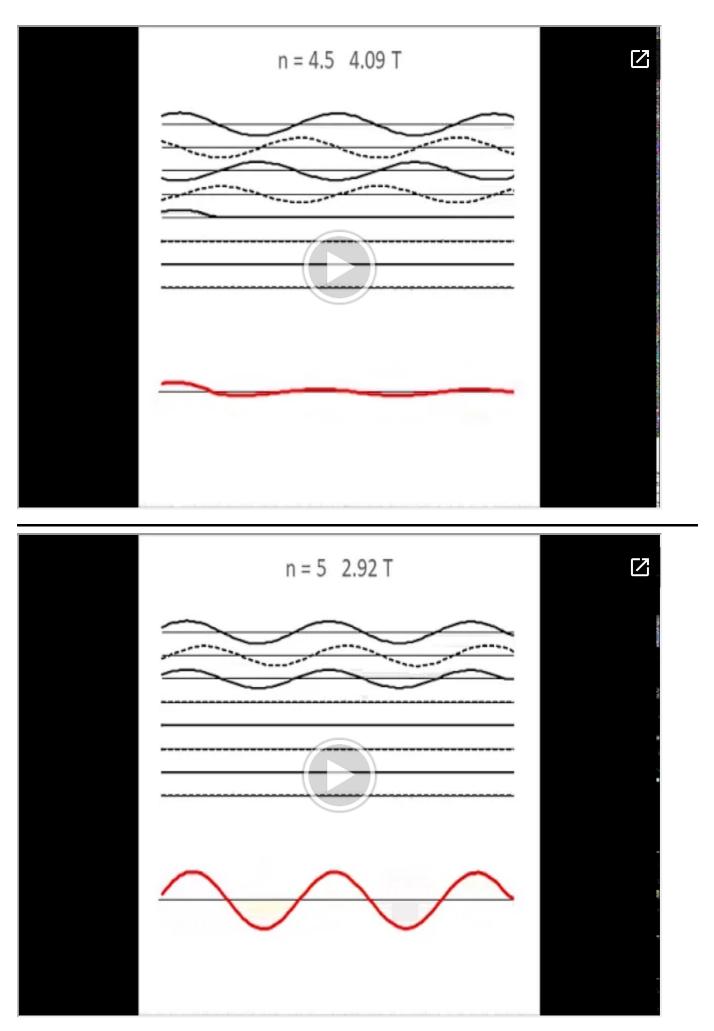


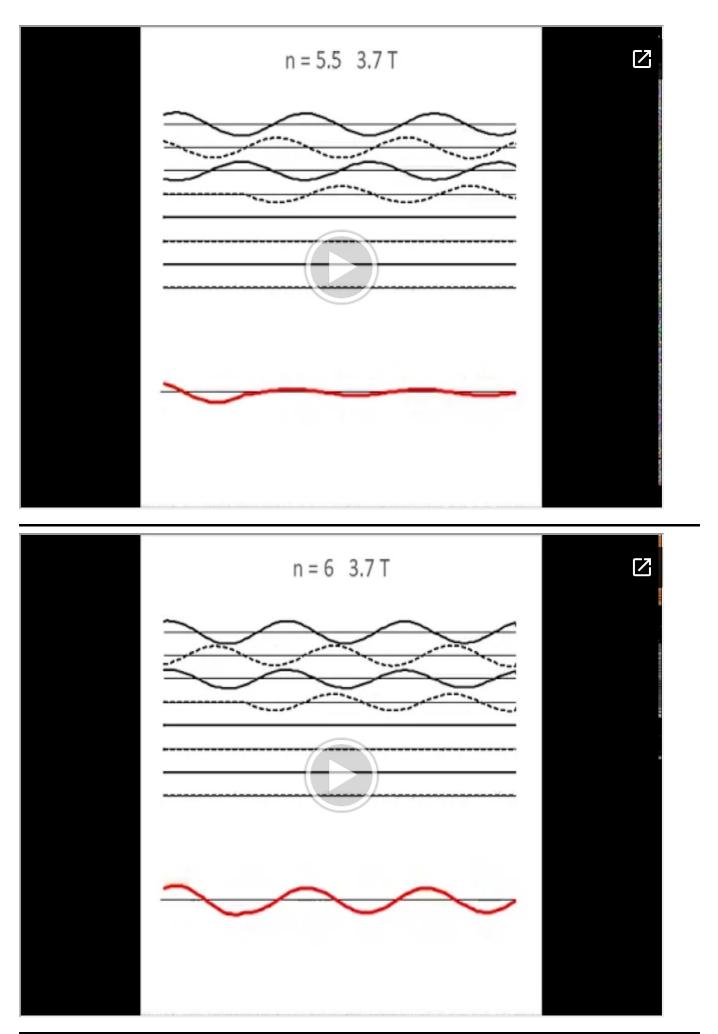




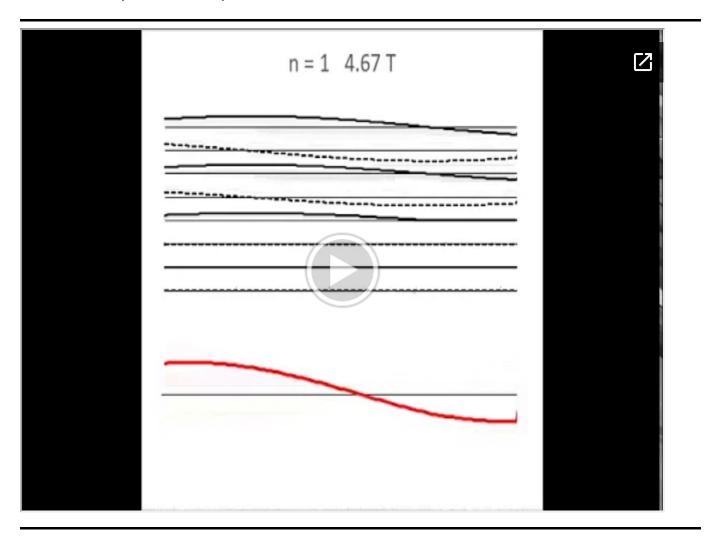


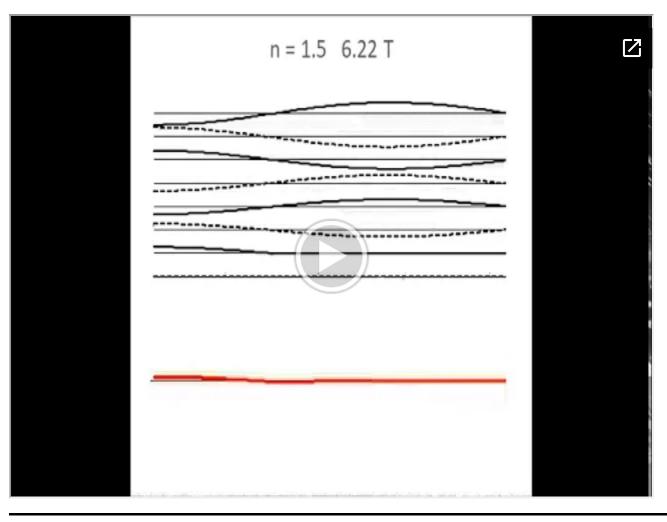


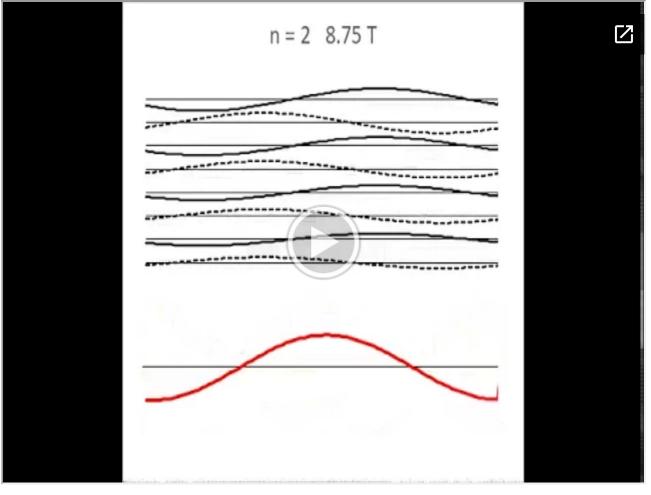


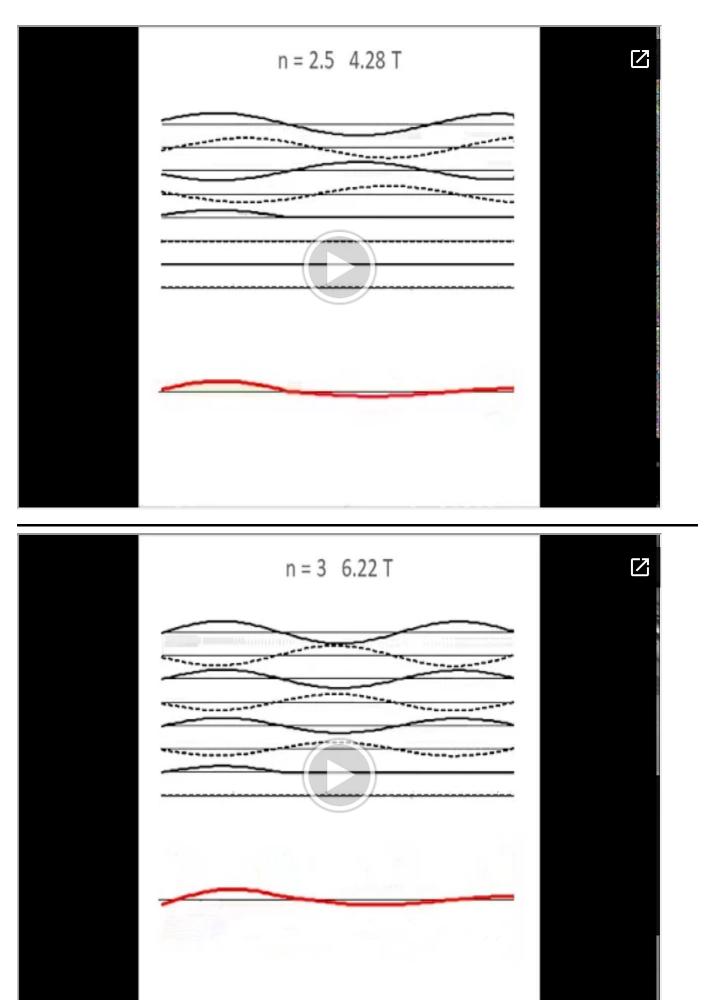


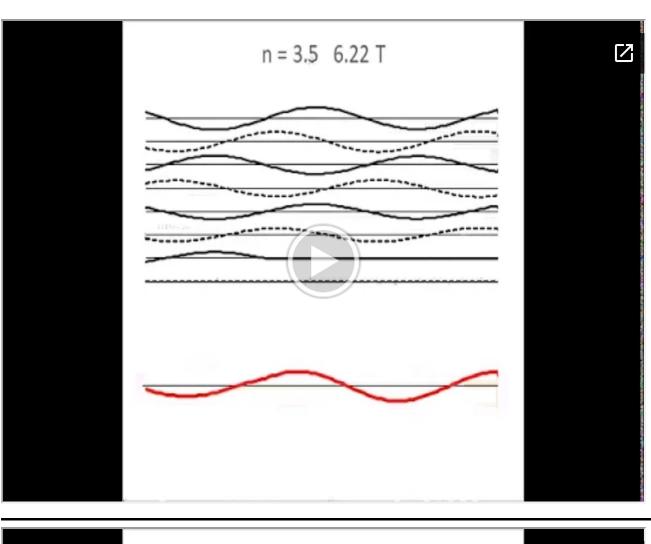
気柱の共鳴(開管の場合)

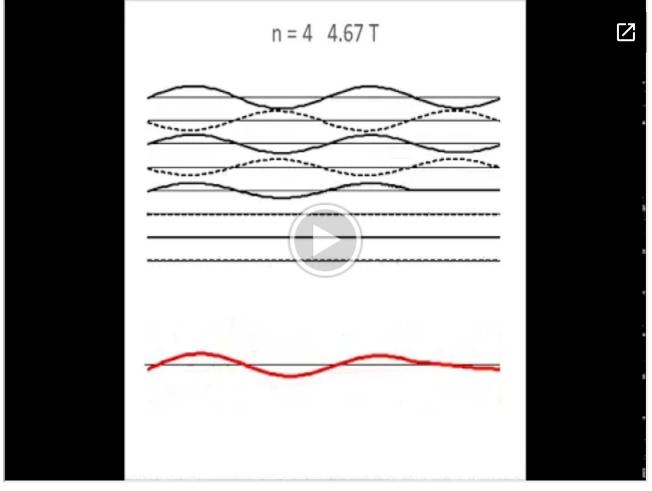












気柱の共鳴(閉管の場合)

