Inertia Ball Breaks String

A heavy ball hangs from a string and two additional strings hang from the bottom of the ball. When one of the bottom strings is yanked very quickly it breaks due to the inertia of the ball.

When the remaining bottom string is pulled very slowly the top string breaks since, in this case, the tension there is greater than that of the bottom string.

26, rods, clamps

set-up details

PIRA DCS 1F20.10