<http://wug.physics.uiuc.edu/cgi/courses/shell/per/phys111/ie.pl?03/IE_two_strings>

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This is an interactive homework problem relating to Newton's Second Law and tension force. Two strings are attached to walls, with the left string being horizontal and the right string forming an angle q = 50° with the horizontal. A block of known mass hangs from a ring attached to both strings. Students must determine the tension in the left string. A user-activated "help" sequence is provided for each step of the problem-solving, including conceptual analysis, free body diagrams, and quantitative calculation. Immediate feedback is received for both correct and incorrect responses.

Gladding, Gary. *Illinois PER Interactive Examples: Mass on Two Strings*. Urbana: University of llinois Physics Education Research Group, June 16, 2006. http://wug.physics.uiuc.edu/cgi/courses/shell/per/phys111/ie.pl?03/IE\_two\_strings (accessed 19 November 2010).