

The Shallotte River Swamp Park is building an additional zip line attraction for summer 2017. The attraction will have two towers on opposite sides of a 600m wide swamp. One tower will be 100 m tall and the other will be 60 m tall. There will be two zip lines, one from each tower, that riders will take from the tops of the towers to a floating platform on the swamp. Once on the platform, riders will board a small boat for a swamp tour.

But zip line wire is expensive! How far from the base of the tower should the platform be in order to minimize the length of zip line wire?

