

The Flying Trapeze (The Swings) #1

1. What is the length of the chain at rest?
2. What is the vertical difference between the upper arm and the swing chair when at full rotation?
3. What horizontal distance is the chair pushed to the side?
4. At what angle is the chair pushed to the side?
5. Diagram the relationship between mg , F_c , and F_T .
6. What centrifugal force is felt by the riders?