

**Math Weekly Problem Competition**

**Friday, February 20, 2015**

A semi-trailer has two tires on the front wheels (one tire on each side), and four tires on the rear wheels (two on each side). The front tires are worn in 15,000 miles, while the back ones are worn in 25,000 miles. How should the driver swap the tires to get the maximum driving distance? Find that distance.

**Join the competition!**

The Department of Applied Mathematics and IIT SIAM Student Chapter is organizing a weekly campus-wide math competition for undergraduate students.

- ▷ Every Friday 3pm, visit <http://math.iit.edu/~weeklyproblem> to view the problem of the week
- ▷ Submit the solution to [weeklyproblem@math.iit.edu](mailto:weeklyproblem@math.iit.edu) by Wednesday 5pm
- ▷ The author(s) of the first correct solution(s) will receive a monetary prize

For more details view the official web site <http://math.iit.edu/~weeklyproblem>.

Become a Math Club member and receive problem notifications by email.

Good Luck! Have fun and enjoy Mathematics!