

Home work

03/11/27.

Deadline is Dec. 4/1

Name _____

No. class Dec. 4

Example Problem 15.1

A 15-tooth gear on the input shaft is in mesh with a 45-tooth gear on the output shaft, as shown in Figure 15.4. The input shaft is being driven at 1000 rev/min. How fast does the output shaft rotate? How many revolutions does the 15-tooth gear rotate for every revolution of the 45-tooth gear?

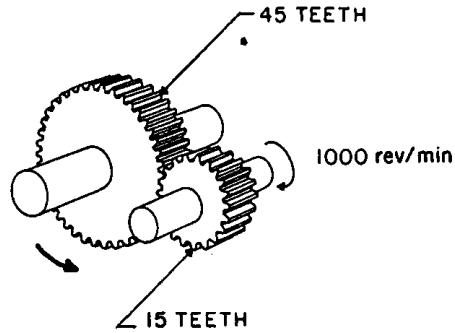


Figure 15.4—Spur gears in mesh.