

Bubba is driving his truck at speed v .
The combined mass of Bubba and Truck is m .

- If Bubba stops the truck, without skidding, in distance D_a , how much work is done by friction?
- If Bubba locks the brakes and skids to a stop in distance D_b , how much work is done by friction?
- If Bubba goes around a ^{flat} corner of radius D_c , while maintaining his speed v , how much work is done by friction?

a) Zero, he does not skid.

b) $W = Fd = \mu mg D_b$

c) Zero, he does not skid.