A Simple Formula Allows Calculation of Distance

We'll use a basic formula for stopping:

distance = velocity 2 / (2 · acceleration)

Here we assume constant deceleration.

In practice, deceleration is limited by traction—

- of friction between the tires and the road surface.
- Depending on the car and tires,
- ° the limit is around 7 to 10 m/s².

Let's give you a decent car: 8.45 m/s² deceleration.