



Description showing it works:

There are three different modes for the braking system to be in: braking, not braking, and pulsing. When the pedal is applied from the not braking state, the system checks if we are needing to guard against skidding or not. If we need to guard against skidding, the system begins pulsing the brakes and ends either when we take our foot off the brake to go into not braking or when the system senses we regain traction and can switch to applying brakes normally. If at any point while we are braking normally we begin to skid, the system switches to pulsing as well. However, if we are braking normally and take our foot off the pedal, we go to not braking mode.

3 Scenarios proving it works:

1. Person presses the brake and we aren't skidding, so we brake until person takes foot off pedal
2. Person presses the brake and we are skidding until we gain traction again and go to normal braking
3. Person is skidding, pushes brake which begins to pulse, then lets go of brake pedal before regaining traction and returns to not braking mode