ABSTRACT

Disclosed herein are an adhesion coefficient determination method and apparatus, a vehicle, a medium, and a program product. The method includes: acquiring tire information of each tire of a vehicle, where the tire information includes a tire longitudinal force, a tire lateral force, and a tire vertical load of the tire; determining a first adhesion coefficient of the vehicle according to the tire information of each tire; determining a gain coefficient according to the first adhesion coefficient and the tire information of each tire; determining a second adhesion coefficient according to the gain coefficient and an acceleration of the vehicle; and determining a target adhesion coefficient of the vehicle according to the first adhesion coefficient and the second adhesion coefficient. The method of the embodiments of the present application improves the accuracy of determining the target adhesion coefficient of the vehicle, and allows the target adhesion coefficient of the vehicle to match actual conditions, thereby improving anti-slip control of the vehicle and enhancing the safety of occupants.

Fig. 2