ABSTRACT

A method and apparatus (50) for determining a longitudinal adhesion coefficient, a vehicle (60), a medium, and a program product. The method includes: determining (S201) a longitudinal adhesion coefficient of each wheel according to first wheel information of each wheel and a plurality of scenario adhesion coefficients; the first wheel information including longitudinal stiffness, a slip rate, and a normalized longitudinal force; determining (S202) a first longitudinal adhesion coefficient and a first confidence level of a vehicle in a low adhesion state as well as a second longitudinal adhesion coefficient and a second confidence level of the vehicle in a high adhesion state according to longitudinal adhesion coefficients of a plurality of wheels; and determining (S203) the longitudinal adhesion coefficient of the vehicle according to the first longitudinal adhesion coefficient, the first confidence level, the second longitudinal adhesion coefficient, and the second confidence level, thereby improving the accuracy of determining the longitudinal adhesion coefficient of the vehicle.

Fig. 2a