

Table 2.4: SIM Mode Parameter Data

Parameter	Unit	Size	Resolution
Wind Speed	ms^{-1}	16 bit	0.001
Grade	%	16 bit	0.01
Coefficient of Rolling Resistance (Crr)		8 bits	0.0001
Wind Resistance Coefficient (Cw)	kgm^{-1}	8 bits	0.01

The *Grade* indicates the gradient of the road that the avatar is travelling on. The Coefficient of Rolling Resistance (Crr) is determined by the road surface and wheel type of the avatar in the game, where the *Wind Resistance Coefficient (Cw)* is determined by the player's weight and height, and can then be reduced by in-game events such as equipment selection and drafting behind other avatars when this feature is active. Currently Zwift does not utilize the *Wind Speed* parameter.