

Differential for Electric Vehicle

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Abstract: *This paper discusses the role of differential systems in electric vehicles (EVs). It aims to explain how differential mechanisms work, their importance in enhancing vehicle performance, and the challenges associated with their integration in EVs. The methodology includes a review of existing literature and examples of EV designs that utilize differential systems. The findings show that while traditional differentials provide benefits in terms of handling and stability, new designs specifically for electric vehicles are needed to address unique challenges*

Keywords: Electric Vehicle, Function of differential, Types of differential with advantages & disadvantages