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with three drive shafts that has the property that the rotational speed of one shaft is the
average of the speeds of the others or a fixed multiple of that average functional
description edit input torque is applied to the ring gear blue which turns the entire
carrier blue

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difference or diversity constituting a difference distinguishing distinctive a differential
feature exhibiting or depending upon a difference or distinction noun a

how differentials work howstuffworks Mar 17 2022 web feb 11 2021 this article will
explain differentials where the power in most cars makes its last stop before spinning
the wheels the differential has three jobs to aim the engine power at the wheels to act as
the final gear reduction in the vehicle slowing the rotational speed of the transmission
one final time before it hits the wheels

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is a device that splits the engine torque two ways allowing each output to spin at a
different speed the differential is found on all modern cars and trucks and also in many
all wheel drive full time four wheel drive vehicles these all wheel drive vehicles need a
differential between each set of drive wheels and they need

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relating to or showing a difference 2 constituting or making a difference distinctive 3
dependent on or making use of a specific difference or distinction 4 mathematics of or

relating to differentiation 5 involving differences in speed or direction of motion n 1
mathematics a an infinitesimal increment in a variable b

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related meanings of the word both in calculus and differential geometry such as an
infinitesimal change in the value of a function differential algebra differential calculus
differential of a function represents a change in the linearization of a function

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differential is a set of gears that transfers engine torque to the wheels it takes power
from the engine and delivers it allowing each wheel to rotate at a different speed on
turns in 1827 the first conventional automobile differential was invented by a french
watchmaker onésiphore pecqueur it was used in steam powered vehicles

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adjective dif fer en tial ?dif ? ?ren ch?l 1 a of relating to or being a difference b treating
some individuals or classes differently from others discriminatory 2 acting or
proceeding differently or at a different rate differential diffusion of molecules through a
membrane differentially ?rench ?l? adverb

differential mathematics wikipedia May 19 2022 web the term differential is used
nonrigorously in calculus to refer to an infinitesimal infinitely small change in some
varying quantity for example if x is a variable then a change in the value of x is often
denoted Δx pronounced delta x the differential dx represents an infinitely small change
in the variable x the idea of an infinitely small or infinitely slow

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