computing system and device

this pattern relates to computing and misnin learning   
  
  
  
the problem   
typical mishean learning networks especially “neural networks” utilize numerical gradient decants in order to   
achieve objects like image recognition.   
  
however numerical gradient decent is limited in scope as you cannot express an image or other complex data form with a single number. Functional gradient is a allows for a broader scope as it is posable to express any tangible thing an N dimensional function this makes it easier to do more complex “learning”

Also, it is very computationally expensive to do operations involving functions.

Presently there is now defined functional methodology to efficiently do gradient decent operations involving functions.

Basic description

The invention seeks to provide a solution to this by demonstrating a formula to achieve a gradient decent of functions as well as well as a set of devices that allow the manipulation of physical wave functions.

Here is a simple example of function gradient decent.

Where

You would manipulate M(x) in order minimize p

You can view my published work if you need a working example or a better explanation

<https://www.youtube.com/watch?v=jsGZdDIrcR0>

you don’t need to use mathematics in order to do this that’s like the whole point

here is a diagram of how it works without math

Magnetic

Electrons moving through a medium are manipulated with a magnets this aces as the M() and adding the two functions the two leads are supply the magnet is the P(x) and the T(x) witch output to the F(x)

Next us can manipulate the magnets and the medium in order to change F()

It utilizes a phenonium called halls effect.

There can also be a arbitrary number of changes and inputs and arbitrary number of magnets. It also dose not need to work with just electrons.