

A CUTE LOVE STORY

An electron enter into the world of Hydrogen atom with a charming magnetic field. He was welcomed by a bunch of beautiful orbitals. The prettiest 1S and three cute P sisters. The electron looked at the S but she was already taken. He turned to the P sisters, and winked at the orbitals. The one in the direction of the charm who was called Pz from then on and the others Px and Py. All three of them were smitten by the handsome electron. But the electron was facing Pz. She immediately fell for the electron and her energy decreased. The egoistic Px and Py turned away. The energies of the P sisters changed and Pz, the ground to earth orbital, and the electron was having an amazing time together. Both the electron and Pz wished the perturbations of the magnetic field be eternal and they stay together for a life time.

This cute little saga of love was told to the world in the name of zeeman splitting by Pieter Zeeman. Soon, many come up with similar sagas of love, anguish and even war.

Later one nutcase extracted the abstract of all such stories and presented it in the abstract form and it is.



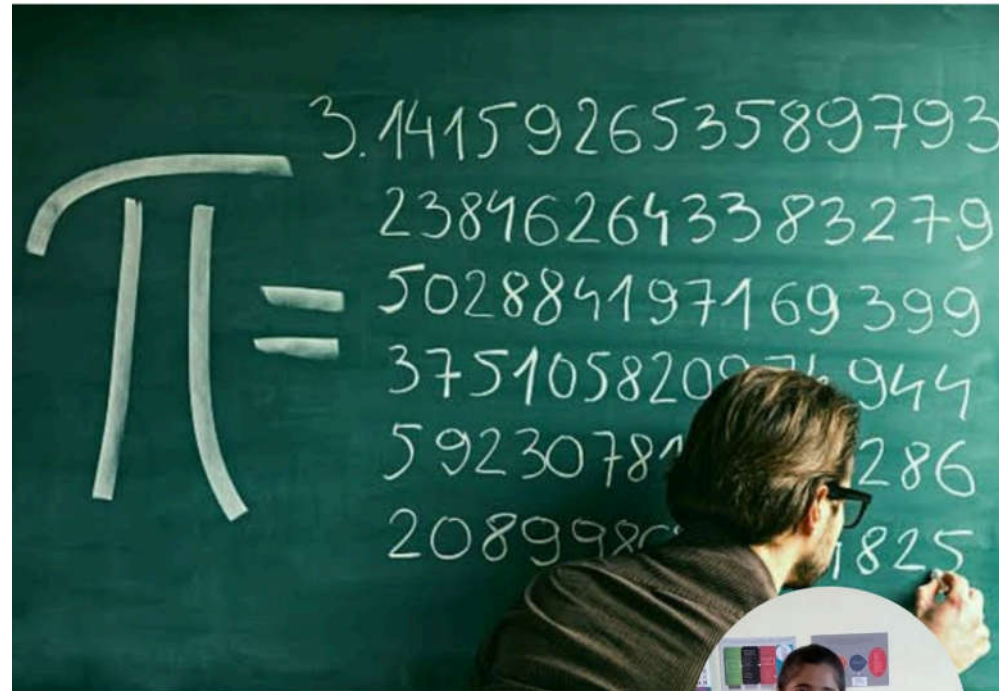
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The operator girl friend had lot of degenerate eigen states but perturbations in the form of random glances and late night chats have lifted the degeneracy which turned one to a feasible stable state. Don't say that those perturbations are due to some random field.

Do you like the abstract story or plain story?



Image credits:
https://en.m.wikipedia.org/wiki/File:Pieter_Zeeman.jpg



π – A CELEBRATED CONSTANT.



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Known for almost 4000 years, π is still a fascinating mathematical constant. What is mysterious about Pi? Let's have a look.

In basic mathematics, π is used to find the area and circumference of a circle. The basic definition of π also arises from it. π is defined as the ratio of circle's Circumference C to its Diameter D. That is $\pi = C/D$

π being related to circle, appears in the formulae of area, circumference and volume of geometric shapes based on circle such as ellipse, sphere, cylinder, cone tori etc. π also plays a major role in Trigonometry. But application of π ranges through the complex calculations in the engineering field, quantum physics, communications, medical procedures, air travel and in the calculations of trajectories of a space craft, to name a few. Even NASA use π on day-to-day basis!

16th Greek alphabet pronounced as Pi. Is that just a Greek letter? I don't think so!

