



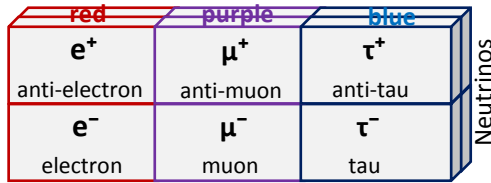
Standard Model Map: The Standard Cube



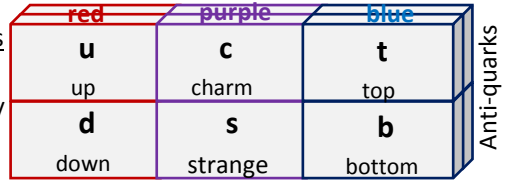
Mapping the progression from the Standard Model to the Standard Cube.

The Standard Model of Elementary Particles/Fields

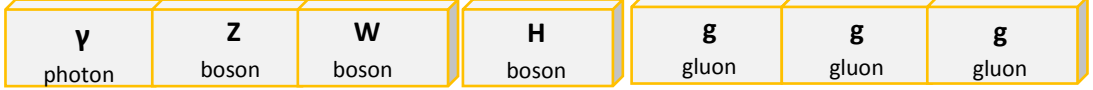
Fermions
Lepton
Particles/
Fields



Fermions
Quark
Particles/
Fields

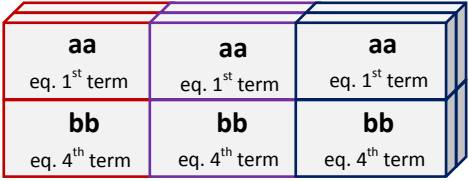


Bosons
Particles/Fields

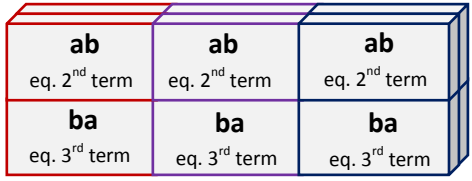


The Squared Pattern Equation Terms

Equation Pair
aa + ab + ba + bb
= cc (Left)&(Right) cc =
bb + ba + ab + aa
Left equation →



Right Equation
Not to be
compared with
neutrinos above.

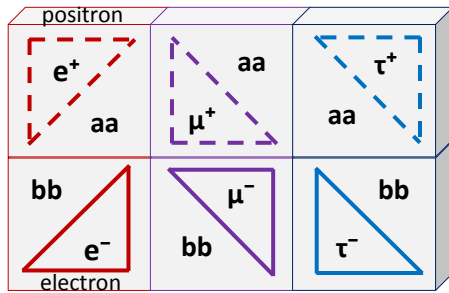


Virtual Parts
(of Cube)

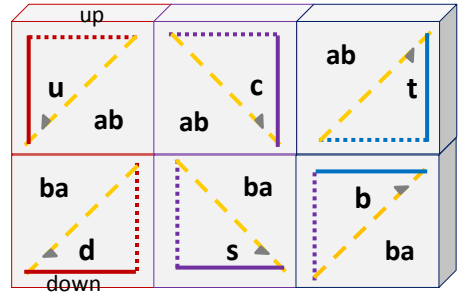


The Pattern Particle/Field Pictobricks

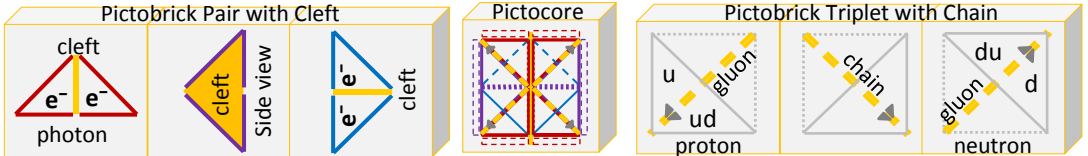
A pictobrick represents a particle/field & is a simple 2D geometric symbol for a 3D structure.



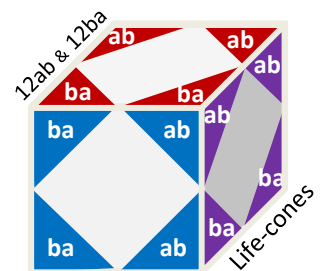
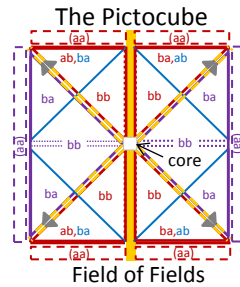
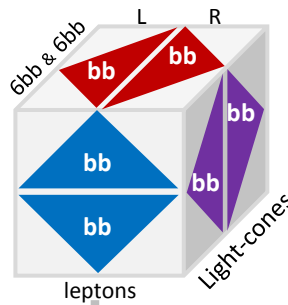
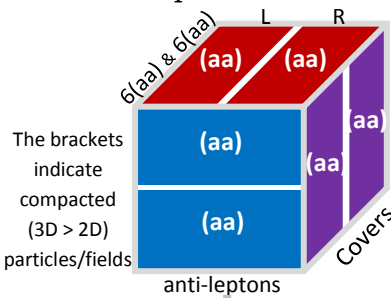
Pictobricks are basic building blocks for physics models.



Virtual cleft, core, chain

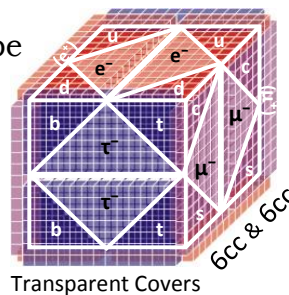


The Component Cubes



The Standard Cube

The Standard Cube is the realization of the cubed Pattern equation which is equal to six times the squared Pattern equation, i.e. $(a + b)^3$ & $(b + a)^3$ equals $6(a + b)^2$ & $6(b + a)^2$. Two of the squared equation (pairs) represents one pyramid pair. The Cube consists of three pyramid pairs, one red, one purple and one blue. The particles/fields on this map represent one half of the particles/fields that the Cube consists of.



The Periodic Tables
The three pyramid pairs (red, purple, blue) of the Standard cube represent three periodic tables (electrons, muons, taus) of chemical elements. See cleft pyramid (compact module pair) on next page.

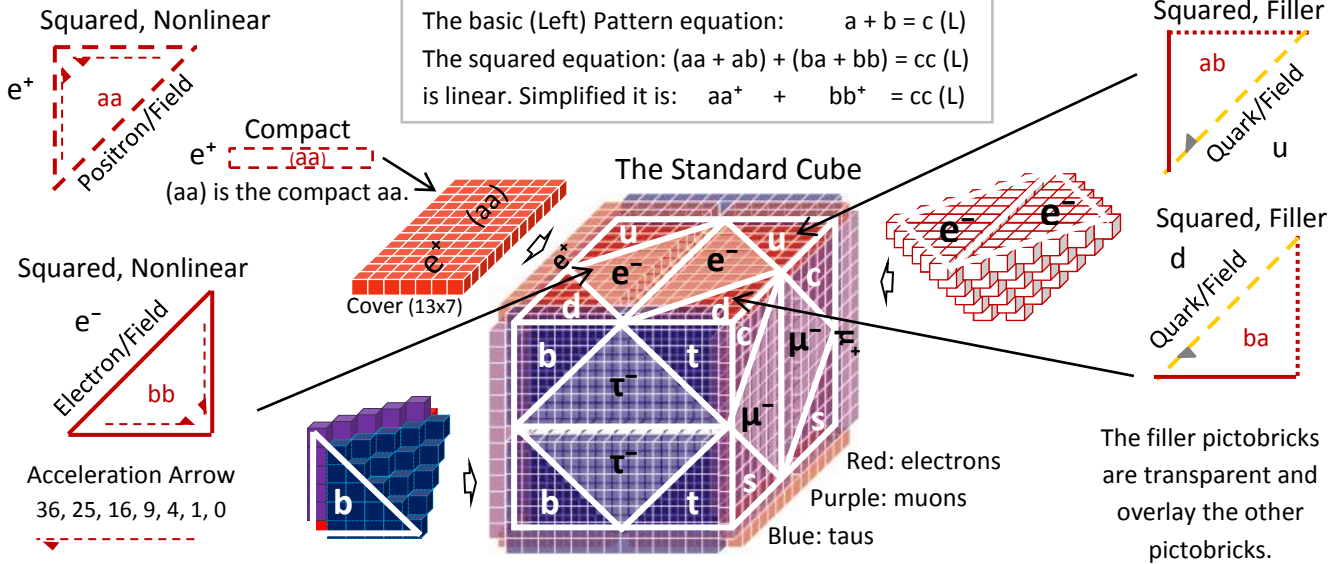


Standard Model Map: The Standard Bricks

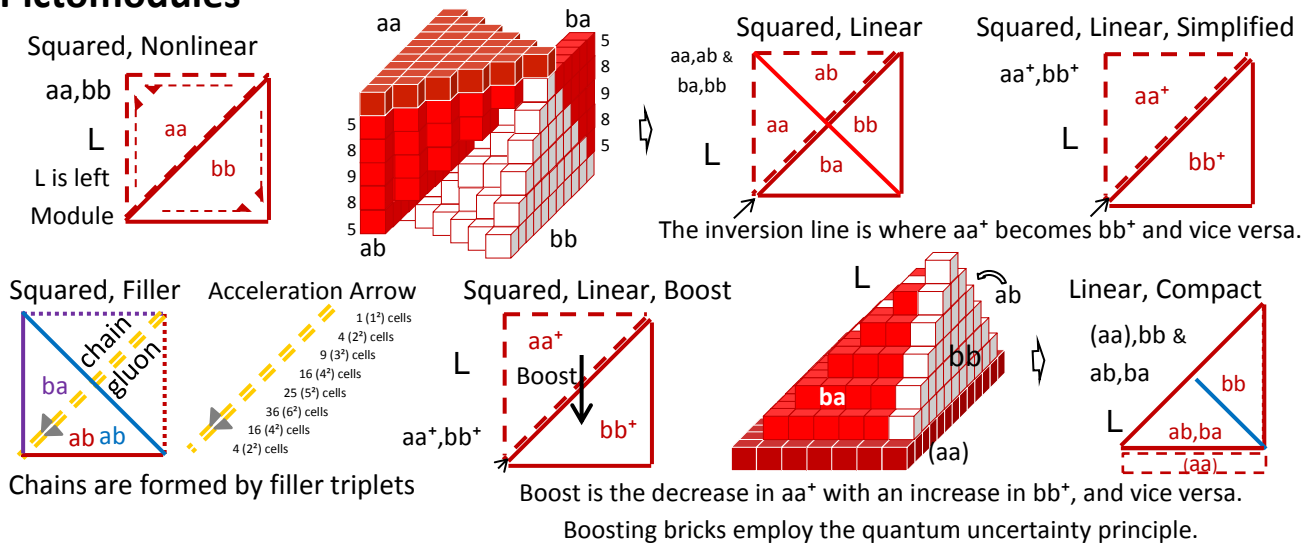


The standard bricks represent the particles of the Standard Model.

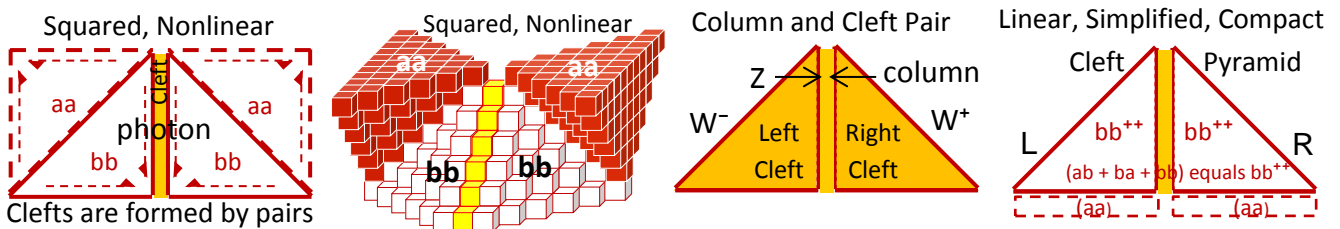
Pictobricks are simple geometric symbols for the elementary particles of the Standard Model; fermions (electrons, muons and taus with their anti-particles and quarks) and bosons (photons, gluons, etc.). Red bricks for the 'red particles' are used in this part of the map. The Standard Cube is a compact (3D) cube. The pre-compact version of the cube has bricks that overlap in space, which is not possible in 3D.



Pictomodules



Pictopairs



Basic Pictobricks

