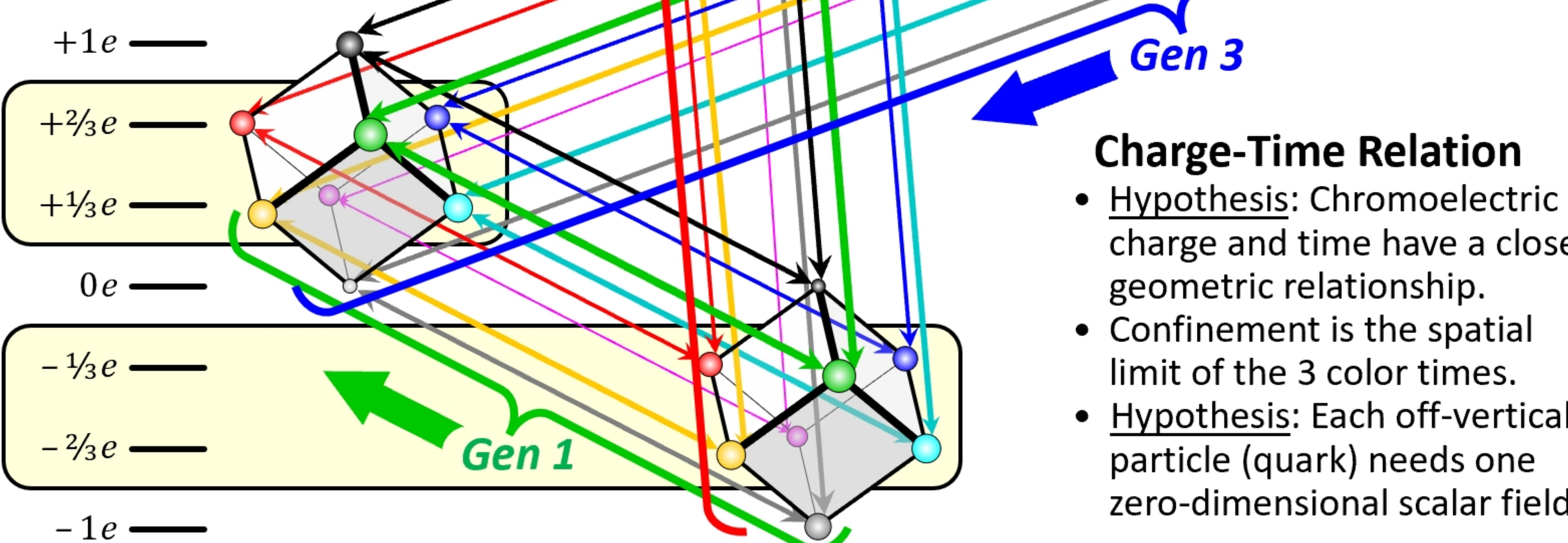


36 Off-Vertical Quarks

- Fermions are 48 T_3 weak-isospin penteract vectors.
- 12 up-down pro-anti RGB quarks per gen ($\times 3$ gens).
- If electric charge (Maxwell displacement) is vertical, all quark charges are *off-vertical*.

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Charge-Time Relation

- Hypothesis: Chromoelectric charge and time have a close geometric relationship.
- Confinement is the spatial limit of the 3 color times.
- Hypothesis: Each off-vertical particle (quark) needs one zero-dimensional scalar field.