**Quarton ring modulator (QRM)**

- Inspired by JRM

Symmetrized

\[ E_Q(\phi_a - \phi_b)^4 = E_Q[\phi_a^4 + \phi_b^4 + 6\phi_a^2\phi_b^2 - 4(\phi_a^3\phi_b + \phi_a\phi_b^3)] \]

- Self-Kerr cancellation
- Cross-Kerr \( \chi \)
- Cancelled by symmetry

- Residual capacitance, imperfect quarton inductance all cancelled as well

**Unhelpful title**

**Subfigure’s connection to main figure not obvious**

**Buried message**
Quarton ring modulator (QRM) cancels anti-symmetric coupling

\[ E_Q[\phi_a^4 + \phi_b^4 + 6\phi_a^2\phi_b^2 - 4(\phi_a^3\phi_b + \phi_a\phi_b^3)] \]

Cancelled by QRM symmetry

**Title**: Quarton ring modulator (QRM) cancels anti-symmetric coupling

**Note**: Minor points were discarded. Could prepare a backup slide in case committee asks.

**Title is message**

**Explicit figure boundary draws clear distinctions**

**Use of color shading to draw visual connection**

**Emphasized message**

*Figure: Decomposition of QRM coupling circuit into combinations of canonical coupling circuit*