

Diagram illustrating a three-qubit system with nodes H_0 , H_1 , and H_M . The system is coupled to external fields V_1 and V_M (diamonds) and W_1 and W_M (squares). The coupling rates are λ_H and $\lambda_H(1-\phi)$ for the diamond fields, and γ and α for the square fields. The coupling between H_0 and H_1 is labeled γ .

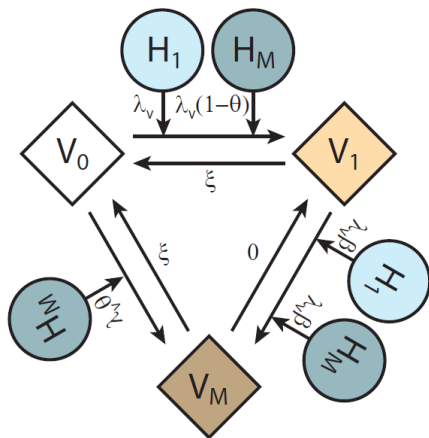


Figure 2 is a scatter plot showing the fraction of mixed infection (y-axis, 0.0 to 0.4) versus prevalence (x-axis, 0.0 to 0.4). The data points are categorized by region: Asia countries (open circles), Africa countries (crosses), and Sib-infection (orange squares). Two fitted curves are shown: a blue curve for mixed infection and an orange curve for Sib-infection. The blue curve starts at (0,0) and increases linearly. The orange curve starts at a high fraction (around 0.4) for low prevalence and decreases as prevalence increases.