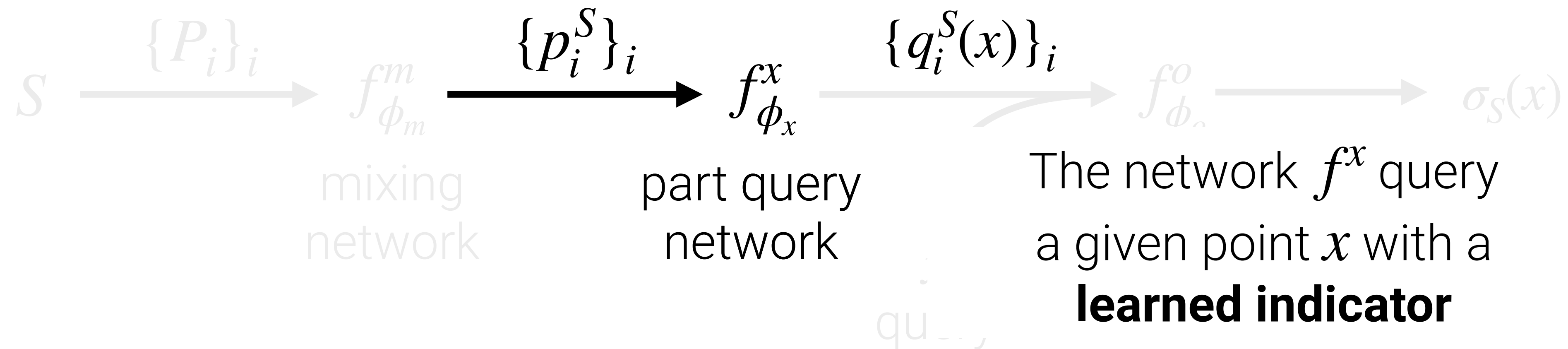


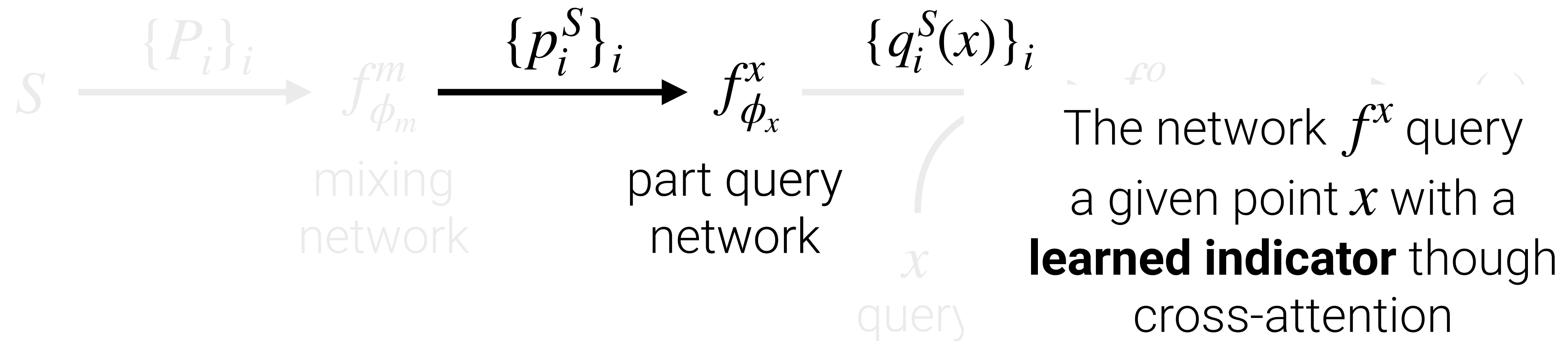
Method - Generalizable Shape Network

We approximate the object's occupancy $\sigma(x) \approx \sigma_S(x) := f_\theta(x \mid S)$ where f_θ is a neural network given shape parameters.



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$$q_i^S(x) := f_{\phi_x}^x(T_{C_i}^{-1}(x) \mid p_1^S + b_0, \dots, p_i^S + b_1, \dots, p_n^S + b_0)$$