

$\phi = \text{Optimize}(\phi, f)$



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graph TD; A["f = Evaluate()"] --> B["φ = Optimize(φ, f)"]; B --> C["Task(θ, φ)"]; C --> A; C --> C
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The diagram illustrates a feedback loop for optimization. It consists of three main components: a top box with the text $\phi = \text{Optimize}(\phi, f)$, a bottom box with $f = \text{Evaluate}()$, and a right-side box with $\text{Task}(\theta, \phi)$. A solid purple arrow points from the bottom box to the top box. Another solid purple arrow points from the top box to the right-side box. A third solid purple arrow points from the right-side box back to the bottom box, completing the loop. Additionally, a dashed green arrow forms a self-loop on the right-side box, indicating an internal iterative process.

$\text{Task}(\theta, \phi)$

$f = \text{Evaluate}()$