Detecting Model Misspecification in Amortized LFI
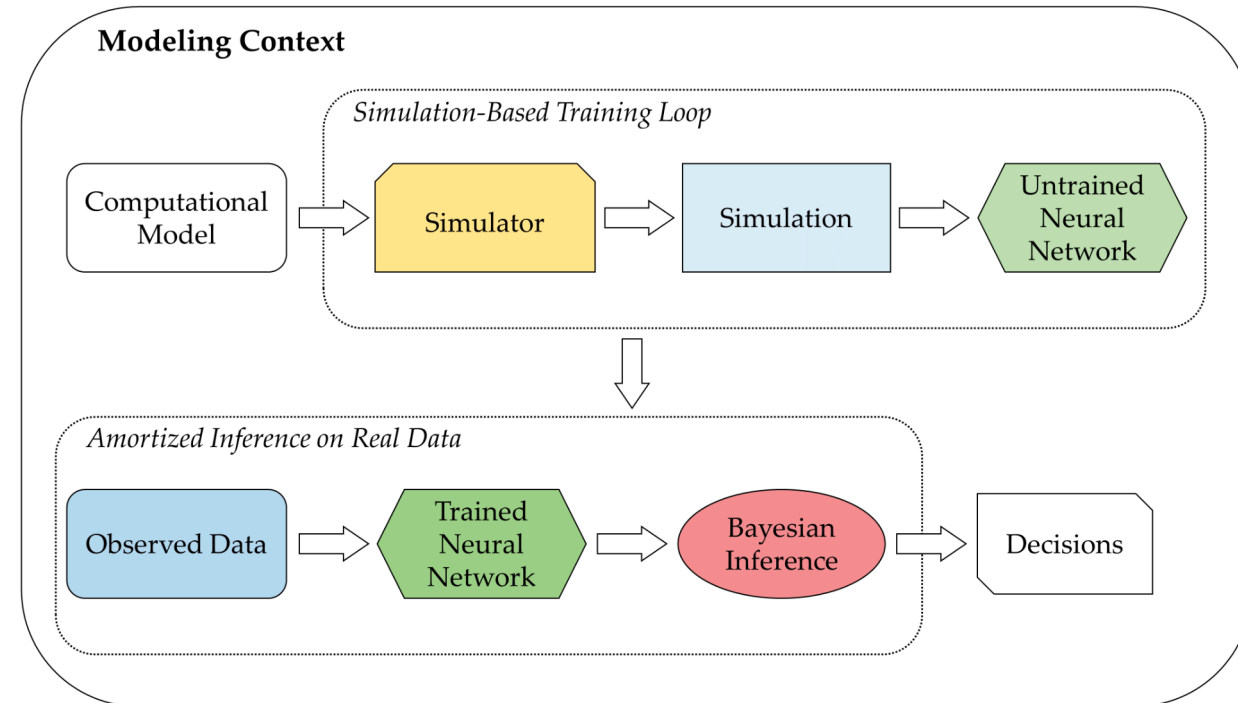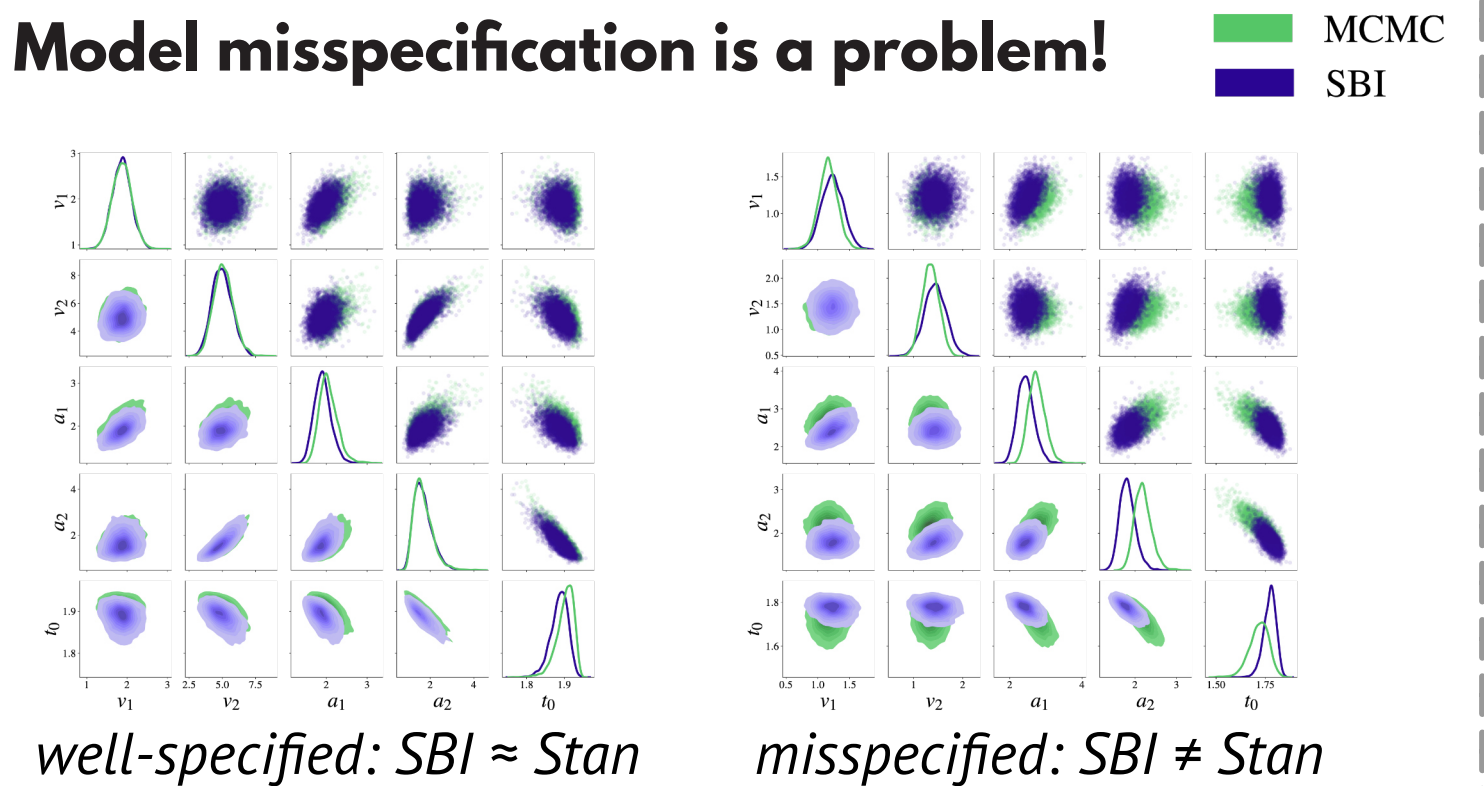
(1) Amortized Bayesian Inference

(2) Model misspecification is a problem!

well-specified: SBI ≈ Stan   *misspecified: SBI ≠ Stan*

(3) Detecting is simpler in summary space
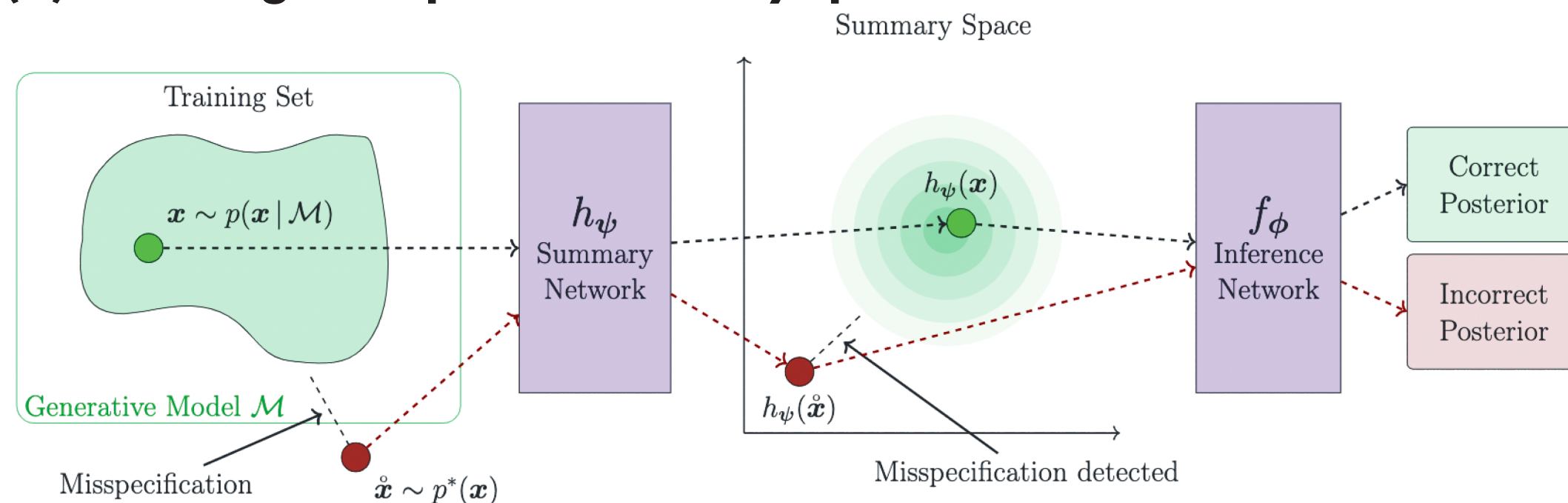
(4) More misspecification → larger MMD

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