SciML - Probabilistic Programming

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Program

- 1. Probabilistic programming for scientific machine learning:
 - (a) Bayesian inference.
 - (b) Markov chain Monte Carlo.
 - (c) Bayesian optimization.
 - (d) The use of probabilistic programming in scientific applications.
 - (e) The challenges of applying probabilistic programming to scientific applications.

References

1. M. Asch. *Digital Twins: from Model-Based to Data-Driven.* SIAM, 2022.