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Summary: GPflow is a Gaussian process library that uses TensorFlow for its core computations and Python for its front end. The distinguishing features of GPflow are that it uses variational inference as the primary approximation method, provides concise code through the use of automatic differentiation, has been engineered with a particular emphasis on software testing and is able to exploit GPU hardware.

**MSC:**

- 62G05 Nonparametric estimation
- 62-08 Computational methods for problems pertaining to statistics
- 60G15 Gaussian processes

**Keywords:** variational inference; TensorFlow; GPflow; Gaussian process

**Software:**

- Python; GPflow; GPML; TensorFlow; GPy; GPstuff

**Full Text:** [Link](#)