

ABSTRACT

Embodiments of the present disclosure provide a simulation device, a simulation system, a simulation method, and a non-transitory computer-readable storage medium. The simulation device is used for simulating a neural network processor, and comprises: an agent module configured to communicate with an object model which simulates the neural network processor, and serve as an agent of the object model in the simulation device; a management module configured to manage the simulation device; and an interconnection module configured to communicatively connect the agent module and the management module. The simulation device receives a task sent by a host, sends, to the object model by means of the agent module, working information related to the task, receives, by means of the agent module, feedback information returned by the object model after processing the working information, and provides the feedback information to the host.