Functional simulations of the model exist.

It accurately describes the system in ranges outside of the original data points.

It accurately predicts previously observed conditions of the modeled system.

It accurately predicts unanticipated behaviors of the modeled system.

It accurately reflects the modeled system.

It can accommodate and test new theories.

It can be applied to more than one real-world system.

It can be evaluated using logic.

It can be evaluated using mathematical logic.

It can be represented visually.

It can be trained by new data sets.

It converges to a stationary state.

It generates testable hypotheses.

It has a minimal number of parameters for the modelled system.

It has clearly defined parameters.

It has well-documented assumptions.

It is It is adaptable in It is based on the face of new computationally It is complex. expert analysis. empirical data. tractable. It is possible to It is easy to It is internally collect empirical understand and consistent It is simple. data from the mathematically. analyze. modeled system. It mostly fits the It provides insight It resists entering into the way the empirical data over It provides known a wide range of modeled system repeatable output. counter-factual conditions. functions. states. It very closely fits It suggests novel the empirical data solutions to over a small range real-world of conditions. problems.