

Modeling and Simulation Body of Knowledge (M&SBOK) - Index

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Terminology: Types of Models & Terms Related with Models (over 1100 terms)

(based on the [first version](#) of the Multi-lingual Modeling and Simulation Dictionary)

3-dimensional modeling
a priori model
abstract model
abstract model structure
abstract system model
acceptability of model
accurate model
acquisition model
activation model
active entity of a model
active multimodel
activity model
activity-based model
activity-based modeling
activity-oriented model
actor model
actor-programming model
acyclic metamorphic multimodel
acyclic multimodel
adaptive deformable model
adaptive model
adaptive model maintenance
adaptive multimodel
adequacy of dynamic model structure
adequacy of model structure
adequacy of model parameters
adequacy of static model structure
adequate model
admissible space of models
agent model
agent modeling

agent system modeling
agent-based model
agent-based modeling
aggregate model
aggregated combat modeling
aggregated model
agile modeling
AI model
AI-based modeling
algorithmic model
allopoietic model
alternate model
alternative simulation model
analog model
analogical model
analytic model
analytical cognitive model
analytical model
ancestor model
animation model
anthropometrically correct model
anticipation-based modeling
anticipative model
anticipatory model
applicability of an experimental frame to a model
applicability of experimental frame to a model
approximate reasoning model
approximation in modeling
aspect modeling
aspect-oriented modeling
assembled model
assertional model
assessment of modeling methodology
assessment of parameters of a model
assessment of software modeler
assessment of the applicability of an experimental frame to a model
assessment of the model
associative model
atomic DEVS model
atomic model
atomic model editor

atomic model specification
autoepistemic model
automata model
automatic simulation model generation
autonomous model
autonomy-oriented modeling
autopoietic model
autoregressive model
autoregressive modeling technique
backward-reasoning model
base DEVS model
base model
basis for model processing
basis for modeling method
battle model
Bayesian model
behavioral microsimulation model
behavioral model
behavioral model comparison
behavioral model fidelity
behavioral modeling
behaviorally-anticipatory model
benchmark model
binary relationship model
bio inspired model
biological modeler
black box model
blackboard model
Bohm model
bond graph model
bond graph modeling
brokered model
calibrated model
calibrated simulation model
calibration model
candidate model
candidate submodel
canonical model
capability maturity model
causal bond graph model
causal model

causally symmetric Bohm model
cellular DEVS model
cellular model
cellular space model
cellular-automaton model
certified model
classification model
client-server model
cluster model
cognitive model
cognitive modeling
cognitive modeling architecture
cognitive modeling strategy
collaborative modeling
combat model
combat modeling
combined continuous/discrete model
combined model
combined modeling
commonsense model
co-modeling
co-modeling methodology
compartmental model
compatibility model
competitive model
competitive learning model
complex system modeling
complexity of a model
component model
component model repository
component object model
component object model interface
component of a model
component-based modeling
component-based modeling paradigm
componential model
composable model
composite model
compositional model
compositional modeling
comprehensible model

computable model
computational model
computer processable model
computer-aided model- verification
computer-aided modeling
computer-assisted model
computerized model
computerized model- verification
concept-learning model
conceptual data model
conceptual interoperability model
conceptual model
conceptual model development
conceptual model of the mission space
conceptual modeling
conceptual modeling technique
conceptual modeling formalism
conceptual modeling language
conceptual reusable simulation model
conceptual simulation model
conceptual-model validation
concern-oriented modeling
concrete model
configurable model
conjectural model
connectionist model
consistent model
consistent modeling
constraint model
constraint-driven multimodel
constructive model
container model
content aggregation model
context-free model
contingency model
continuous model
continuous modeling
continuous multimodel
continuous system modeler
continuous-change model
continuous-space continuous-time model

continuous-space discrete-time model
continuous-space model
continuous-state model
continuous-time model
continuous-time state-space model
conventional model
convergence model
coordination model
corrective model maintenance
cost model
coupled DEVS model
coupled linear model
coupled linear/non-linear model
coupled model
coupled non-linear model
coupled system model
course-grain model
creative aspects of modeling
credible model
cross model
cross model comparison
cross model validity
crude model
current model
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cyclic multimodel
data flow modeling
data metamodel
data model
data modeling
data modeling method
data-based model
data-representation model
decision model
decision-tree model
declarative part of a model
decomposition model
decompositional model
deduction model
deductive model
deductive modeling

deep model
deformable model
degree of model validity
denotational model
dependent model
deployed model
deployment model
descendant model
descriptive model
descriptive model analysis
designed model
detailed model
detailed modeling
detailed system modeling
deterministic model
development model
developmental model
DEVS model
diagnostic model
difference equation model
differential equation model
digital human modeling
digraph model
dimensional data modeling
disaggregated model
discontinuous model
discontinuous-change model
discrete event modeling
discrete model
discrete multimodel
discrete system modeler
discrete-change model
discrete-event based multimodeling methodology
discrete-event model
discrete-space continuous-time model
discrete-space discrete-time model
discrete-space model
discrete-state model
discrete-time model
discrete-time state-space model
discrimination net model

disjunctive model
dissimilar model
distributed computational model
distributed model
distributed-parameter model
domain model
domain-specific model
domain-specific modeling
dormant aspect of model
dormant model
dynamic fidelity modeling
dynamic microsimulation model
dynamic model
dynamic model documentation
dynamic model composability
dynamic model discovery
dynamic model location
dynamic model structure
dynamic model update
dynamic model updating
dynamic modeling
dynamic modeling formalism
dynamic-structure model
dynamic-structure multimodel
econometric model
effects-based modeling
embedded model
emotion model
emotional model
emotional modeling
empirical model
endomodel
endomorphonic model
enterprise model
enterprise simulation model
entity model
entity-relationship model
environment model
environmental effect model
environmental model
environmental modeling

epistemic model
error detection model
error model
error of accepting wrong model
error of rejecting valid model
error prediction model
Eulerian model
evaluative model
evaluative model analysis
event-oriented model
evolutionary model
evolutionary multimodel
evolvable metamodel
exact model
executable cognitive model
executable model
execution model
expected value model
experiment model
experimental model
expert model
explanatory model
exploration model
exploratory model
exploratory modeling
exploratory multimodel
extensible model
extensible multimodel
external model
externally-activated multimodel
extrinsic model
fast simulation modeling
father model
faulty model
federate model
federation model
federation object model
federation object model template
fidelity modeling
filtering model
final model

fine-grain model
finite model
finite-difference model
finite-element model
finite-state automaton model
first-order model
fixed metamodel
flexible dynamic model updating
formal model
formal model evaluation
forward-reasoning model
frame-model applicability
functional model
fuzzy model
fuzzy modeling
fuzzy system modeling
Gane-Sarson data flow modeling
general model
generalized model
generalized multimodeling methodology
generalized-model simulation
generative model
generic model
generic model component template
geometric shape modeling
ghost model
glass box model
global model
goal-directed multimodel
goal-directed system model
good modeling practice
graph model
graph-based multimodel specification formalism
graphical model
graphical object oriented model
hierarchical model
hierarchical model composition
hierarchical model structure
hierarchical modeling
hierarchical multimodel
hierarchy of models

higher-index model
higher-level model
higher-order model
high-granularity model
high-level model
high-level modeling environment
high-resolution combat modeling
high-resolution model
high-resolution modeling
holistic model
homomorphic model
human behavior modeling
human modeler
human modeling
hybrid model
I/O-based model
I/O-based system model
iconic model
identified model
immersive modeling
impact modeling
imperfect model
implementation-independent model
improved model
inaccurate model
inactive model
individual-based model
individual-based modeling
inductive modeling
informal model
informal model description
information exchange modeling
information model
information processing model
information systems modeling
input/output model
integrated modeling
integrative modeling
integrative modeling methodology
integrative multimodeling
intelligent model

interactive model
interactive modeling
interdisciplinary modeling
interlanguage model mapping
intermediate model
internal model
internally activated multimodel
interoperability of model
interoperability of simulation model
interoperable model
interpretation model
interrelated model
intralanguage model mapping
intrinsic model
introspective model
introspective simulation model
isomorphic model
iterative modeling
iterative modeling methodology
joint multiresolution modeling
kinematic model
kinetic model
knowledge-based model processing support
knowledge-based modeling support
Lagrangian model
large scale model
latent aspect of model
latent model
layered model
legacy model
level of model specification
life cycle cost model
life cycle model
linear model
linear second derivative model
linear single-input single-output model
linear state-space model
local model
logical data model
logical model
loop-breaking DEVS model

loosely-coupled model
loosely-packed multimodel
low-granularity model
low-level modeling environment
low-resolution model
lumped DEVS model
lumped model
lumped-parameter model
M&S (Modeling and Simulation)
machine intelligible model
macro model
macroscopic model
maintenance model
Markov model
Markov chain model
mathematical model
mathematical modeling
Mealy model
memory model
memory state model
memoryless model
memoryless multimodel
mental model
mesoscopic model
metamodel
metamodel used
metamodel validation
metamodeling
metamodeling technique
metamodeling theory
metamorphic model
metamorphic multimodel
micro model
microscopic model
microsimulation model
military model
minimal model
mission level modeling
mixed formalism model
mixed-granularity model
mixed-resolution model

mixed-state model
mixed-time model
mock-up model
model
model bank
model building
model use
model wrapping
model (v)
model abstracting technique
model abstraction
model acceptability
model acceptability standard
model accreditation
model accuracy
model activation
model adaptation
model adaptivity
model adequacy
model affinity
model aggregation
model analysis
model applicability
model appraisal
model appropriateness
model assessment
model assumption
model attribute
model base
model base management
model base manager
model- based
model based technique
model behavior
model behavior fitting
model behavior ontology
model benchmarking
model brokering
model building formalism
model calibration
model certification

model characterization
model checking
model checking algorithm
model checking technique
model checking tool
model class
model classification
model coarseness
model comparison
model compiler
model complexity assessment
model component pragmatism
model component semantics
model component syntax
model component template
model composability
model composer
model composition
model composition instance
model composition rule
model comprehensibility
model compression
model confidence
model configuration
model consistency
model constant
model constraint
model construction
model correctness
model correctness analysis
model coupling
model credibility
model data
model database
model deactivation
model decomposition
model description
model description language
model design
model developer
model development

model development environment
model development framework
model discovery
model documentation
model documenting
model- driven
model driver
model dynamics
model elaboration
model element
model engineering
model environment
model epistemology
model equivalencing
model error
model error statistic
model evaluation
model evolution
model execution
model family
model federation
model fidelity
model file
model fitting
model formalism
model generation
model generation problem
model generation problem
model generator
model granularity
model graph
model homomorphism
model identification
model implementation
model input/output
model instance
model integrity
model integrity requirements
model intelligibility
model interaction
model interface analysis

model interface testing
model interoperability
model interoperability standard
model isomorphism
model location
model maintenance
model management infrastructure
model management tool
model manager
model manipulation
model mapping
model market place
model matching
model modifiability
model modularity
model morphism
model navigation
model of self
model of user
model ontology
model operator
model- oriented
model parameter
model pedigree
model pedigree
model plausibility
model portability
model postulate
model processing
model processing environment
model processing support
model provider
model pruning
model qualification
model quality
model quality assurance
model realism
model recommender
model reduction
model referability
model refinement

model- related
model relation
model relationship
model relevance
model reliability
model replacement
model repository
model representation
model requirements
model resolution
model resource
model retrieval
model reusability
model reusable
model reuse
model robustness
model scaling
model security
model selection
model semantics
model sensitivity
model simplification
model size
model size limit
model specification
model specification environment
model specification language
model stability
model stage
model staging
model structure
model suitable
model support
model supportability
model switching
model synchronization
model synthesis
model test
model theory
model transferability
model transformation

model transformation language
model transformation tool
model transition
model tree
model understandability
model update
model updating
model usability
model usability
model usefulness
model user
model utility
model validation
model validity
model veracity
model verification
model verification, validation and certification
model verisimilitude
model-based system
model-based activity
model-based analysis
model-based development
model-based DEVS methodology
model-based experiment
model-based methodology
model-based prediction
model-based reasoning
model-based simulation monitor
model-based software
model-based testing
model-based tool
model-based validation
model-based verification
model-directed process
model-directed system
model-driven approach
model-driven architecture
model-driven architecture tool
model-driven development
model-driven development approach
model-driven development language

model-driven development methodology
model-driven development of user interface
model-driven development technique
model-driven engineering
model-driven language
model-driven methodology
model-driven process
model-driven reasoning
model-driven system
model-driven technique
model-driven user interface
modeler
modeler
modeling
modeling function
modeling process
modeling system
modeling technique
modeling activity
modeling agent
modeling algorithm
modeling and simulation
modeling assumption
modeling concept
modeling environment
modeling error
modeling expert
modeling for diagnosis
modeling formalism
modeling framework
modeling interface
modeling issue
modeling language
modeling method
modeling methodology
modeling ontology
modeling paradigm
modeling perspective
modeling practice
modeling primitive
modeling relation

modeling relationship
modeling semantics
modeling software
modeling stage
modeling standard
modeling structure
modeling support
modeling system structure
modeling term
modeling theory
modeling tool
modeling, simulation and visualization
model's behavior
model-size metric
model-test-model
moderate modeling noise
modular model
modular modeling
modular system modeling
monadic model
monolithic model
Moore model
MS&V (Modeling Simulation and Visualization)
MSMP (Modeling and Simulation Master Plan)
multi-aspect model
multi-aspect modeling
multi-aspect multimodel
multi-dimensional modeling
multi-domain modeling
multi-domain modeling language
multifaceted modeling
multifaceted model
multifaceted modeling formalism
multiformalism model
multiformalism modeling
multilevel model
multilevel modeling
multimedia modeling
multimedia modeling language
multimodal model
multimodel

multimodel configuration
multimodel framework
multimodel simulator
multimodeling
multimodeling formalism
multimodeling methodology
multi-paradigm modeling
multi-perspective modeling
multiple-input multiple-output model
multiple-input single-output model
multiresolution model
multiresolution modeling
multiresolution multimodel
multi-resolution multi-perspective modeling
multiscale model
multistage model
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multistage multimodel
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mutation for model-driven approach
mutational model
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neural level modeling
neural network metamodel
neural network-based model
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non-anticipatory model
non-autonomous model
non-deterministic model
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non-linear state-space model
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non-simulatable model

normative model
norms of modeling methodology
numerical model
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object model framework
object model template
object modeling
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ontology-based model specification
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pattern-directed multimodel
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perceived model
perception-based modeling
perfect model
perfective model maintenance
performance model
personality model
Petri net model
phase model
phenomenological model
physical data model
physical model
physical modeling
physically-based modeling
physics-based model
physics-based modeling
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platform-independent modeling
platform-specific model

platform-specific modeling
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predictive modeling
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preventive model maintenance
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primitive modeling
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procedural model
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process interaction model
process maturity model
process model
process modeling
process-oriented model
prognostic model
propositional model
prototype-based model
prototypical model
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qualitative diagraph model
qualitative model
qualitative modeling
quantitative diagraph model
quantitative model
quantitative modeling
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queueing network model
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ranked model

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reactive modeling
realistic model
real-time modeling
real-time object-oriented modeling
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reasoning about models
reasoning model
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reliable model
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runtime model qualification
runtime model recommendation
runtime model replacement
runtime model switching
runtime model update
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second derivative model
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semantic memory model

semantic model
semantic modeling
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semi-Markov model
sensitivity model
sensory model
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set-theoretic model
shallow model
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simplified model
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simulated model
simulation metamodel
simulation metamodeling
simulation model
simulation model assessment
simulation modeling
simulation modeling infrastructure
simulation object model
simulation-model response
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software modeling
software modeling language
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spatial model
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specified model
stabilized-variable model

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structurally valid model
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suitability of a paradigm for semantic modeling
suitability of modeling methodology
superficial model

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supply chain modeling
surface model
surface modeling
surrogate model
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symbolic model processing
synchronized modeling
synchronous model
syntax of modeling language
synthesized model
synthetic environment modeling
system dynamics modeling
system model
system modeling
system modeling language
system-of-systems model
system-of-systems model instance
table model
tabular model
target control model
target model
technologically obsolete model
teleogenic model
teleological model
teleonomic model
temporal model
test model
theoretical model
tightly-coupled model
time step model
time-invariant model
time-varying model
topography model
topological modeling
topological shape modeling
trace-driven model
tractable model
transporter model
tree model
tree-based modeling

uncertainty in modeling
uncertainty modeling
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uniform modeling language
untimed discrete event system model
updatable continuous model
updatable discrete model
updatable event model
updatable memoryless model
updatable model
updatable process model
updated model
up-to-date model
user behavior model
user modeling
user's conceptual model
user's mental model
user's model
valid model
validation of conceptual model
variable structure multimodel
variable-structure model
variant model
vector-based cellular model
verbal model
verification of conceptual model
verified model
virtual modeling display
virtual reality modeling language
visual interactive modeling
visual model
visual model specification
visual modeling
visual modeling language
visual modeling technique
waiting model
white box model
world model