Blocks Supported by BlockImporter

Description
• The following Simulink(TM) blocks are supported by BlockImporter.

Continuous
  Derivative computes the time derivative of the input.
  Integrator computes the integral of the input with respect to time.
  State-Space simulates a constant-coefficient state-space system.
  Transfer-Fcn simulates a transfer function.
  Zero-Pole simulates a zero-pole block.

Discontinuous
  Saturation limits the range of a signal.

Lookup Tables
  Lookup Table (1D) approximates a one-dimensional function with a lookup table.

Math Operations
  Abs computes the absolute value of the input.
  Gain scales the input. Supports element-wise and matrix multiplication.
  Product multiplies the inputs. Supports element-wise and matrix multiplication. The sign of the exponent of each input is configurable.
  Math Function applies a selected math function to the input.
  Sum sums the inputs. The sign (+/-) of each input is configurable.
  Trigonometric Function applies a trigonometric function to the input.

Signal Routing
  Bus Creator combines sets of signals into a bus.
  Bus Selector selects signals from a bus.
  Mux combines sets of signals into a vector signal.
  Demux separates the sets of signals of multiplexed bus.
  Selector selects specified signals from a bus.
  From connects a signal from a Goto block.
  Goto connects a signal to a From block.

Sinks
  Display numeric display of input values.
  Scope display scope.
  Terminator terminates output signals.
  ToWorkspace writes input to an array in the workspace.
Sources

**BandLimited White-Noise** acts as a dummy connection.
**Chirp** generates a sinusoidal output whose frequency increases with time.
**Clock** generates an output proportional to the simulation time.
**Constant** generates a constant output.
**FromWorkspace** acts as a dummy connection.
**Ground** generates a constant zero output.
**Ramp** generates a waveform with a constant slope.
**Signal Generator** generates one of three waveforms: a sine wave, a square wave, or a sawtooth waveform. The Simulink signal generator allows a random waveform, however, that is currently not supported.
**Sine** generates a sine waveform.
**Step** generates a step waveform.

Subsystems

**In1** an input port of a subsystem.
**Out1** an output port of a subsystem.
**Subsystem** a collection of blocks that form a unit.

User-Defined Functions

**Fcn** applies a C-style expression to the input.
**MATLABFcn** applies a function to the input.