

## R2017b Update 9 Release Notes

### ***Information about limitations and bugs fixed***

R2017b Update 9 contains bug fixes to R2017b, including all the fixes from previous updates.

MathWorks recommends installing the latest update. If you need to install a previous update, [visit the R2017b Update downloads site](#).

### **Important Limitations**

1. Installation
  - If you add products after installing the Update, you must run the Update installer again to ensure all products are at the same update level.
2. MATLAB Distributed Computing Server, MATLAB Distributed Computing Server for Amazon EC2, and MATLAB Distributed Computing Server - Private Cloud
  - Install the update on both client and worker installations.
3. MATLAB Compiler and MATLAB Compiler SDK
  - After installing the Update, test your deployed applications using the version of the MATLAB Runtime installed on the system of the end-user or MATLAB Production Server.

### **Bugs Fixed in Update 9**

Bug Report	Product	Summary
<a href="#">1844615</a>	MATLAB	<b>Security Issue:</b> October 2018 security updates for R2013b – R2018a MATLAB, Polyspace, and MATLAB Compiler and Runtime
<a href="#">1843737</a>	Polyspace	<b>Security Issue:</b> Running Polyspace or MATLAB with Polyspace installed for R2013b – R2018a may allow remote code execution
<a href="#">1843291</a>	MATLAB Production Server	<b>Security Issue:</b> Web administration dashboard for MATLAB Production Server for R2017a – R2018a may allow session impersonation or authentication bypass
<a href="#">1830808</a>	MATLAB	<b>Security Issue:</b> MATLAB Mobile Connector may allow remote file upload and code execution for R2016a – R2017a

### **Bugs Fixed in Update 8 (also included in Update 9)**

Bug Report	Product	Summary
<a href="#">1766457</a>	Embedded Coder	<b>Incorrect Code Generation:</b> Symbolic dimension specified for Output Size of Selector block is ignored in the generated code
<a href="#">1770563</a>	Embedded Coder	<b>Incorrect Code Generation:</b> The bus elements of a variant virtual bus are unconditionally generated in the code
<a href="#">1796801</a>	Embedded Coder	<b>Incorrect Code Generation:</b> Incorrect results are possible for cascading Unit Delay blocks inside Switch Case Action Subsystem block
<a href="#">1825960</a>	MATLAB Coder	<b>Incorrect Code Generation:</b> spline function might return wrong answers when there are only two data sites

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<a href="#">1782883</a>	MATLAB Report Generator	Folder access error during PDF report generation
<a href="#">1811427</a>	MATLAB Report Generator	Blank page follows last section in a report
<a href="#">1822335</a>	MATLAB Report Generator	PDF image mapping fails to map small areas and implement area styles
<a href="#">1800778</a>	Parallel Computing Toolbox	Unexpected license error can occur if local workers in a Parallel Computing Toolbox pool are idle for longer than FlexLM license timeout period
<a href="#">1789497</a>	Polyspace Code Prover	Incorrect size of structures with Tasking compiler and Tricore target
<a href="#">1787582</a>	Powertrain Blockset	Drive Cycle Source block does not retain the <b>Drive cycle source</b> setting after you save and reopen the model
<a href="#">1826801</a>	Powertrain Blockset	CI engine dynamometer <b>Resize Engine and Recalibrate Controller</b> test incorrectly updates Mapped CI Engine block lookup tables
<a href="#">1711983</a>	Simulink	Some custom library blocks do not appear in Library Browser
<a href="#">1751364</a>	Simulink	Simulink model window opens without menus and toolbars
<a href="#">1769148</a>	Simulink	Models containing Variant blocks may take long time to update
<a href="#">1772818</a>	Simulink	<b>Incorrect Code Generation:</b> Interpolation Using Prelookup block inlines symbolic dimensions for table data when specified via the Table data port
<a href="#">1792314</a>	Simulink	Display of the psia and psig units is incorrect in the Simulink Editor
<a href="#">1751854</a>	Simulink Design Verifier	S-function with bus input stubbed unnecessarily during analysis
<a href="#">1795350</a>	Simulink Design Verifier	Expected output values in report differ from those produced by harness simulation
<a href="#">1820928</a>	Simulink Design Verifier	Configuration Parameters dialog fails to load and displays an error message
<a href="#">1752349</a>	Simulink Desktop Real-Time	Simulation does not start when running a model in real time
<a href="#">1697257</a>	Simulink Real-Time	Target computer sporadically crashes when model uses serial communication blocks
<a href="#">1797632</a>	Simulink Test	Test harness compilation and simulation generates warning: "Matching "Goto" for "From" <block> not found"
<a href="#">1817458</a>	Stateflow	Nonscalar logical operation in assignment statement might lead to assertion failure

## Bugs Fixed in Update 7 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1704554</a>	MATLAB	Copying to the clipboard stops working in the Live Editor in Windows 10
<a href="#">1765603</a>	MATLAB	Multiple MATLAB tools may fail to launch on Ubuntu 18.04
<a href="#">1755403</a>	Embedded Coder	<b>Incorrect Code Generation:</b> Incorrect code is possible for scalar Data Store Memory block value that is read inside reusable subsystem

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<a href="#">1740309</a>	MATLAB Report Generator	DOM API HTML and HTMLFile objects incorrectly convert vertical-align format
<a href="#">1740425</a>	MATLAB Report Generator	Margin, border, and padding formats corrupt PDF style sheet
<a href="#">1750430</a>	MATLAB Report Generator	Every chapter in a Word report starts on page 1
<a href="#">1762020</a>	MATLAB Report Generator	Nested tables overflow the page
<a href="#">1769989</a>	MATLAB Report Generator	mlreportgen.reporter.Figure reporter always uses default font size when creating figure snapshot
<a href="#">1776471</a>	MATLAB Report Generator	Report.getReportLayout returns wrong layout
<a href="#">1755771</a>	Polyspace Bug Finder	Stray processes after pop-up message: Failed to connect to the license server. Polyspace will exit now.
<a href="#">1707278</a>	Simulink	Slow performance when adding many blocks in Simulink
<a href="#">1742327</a>	Simulink	A block copy crashes MATLAB when the block has an output signal using a custom storage class
<a href="#">1766185</a>	Simulink Design Verifier	Simulink Design Verifier may take longer time than the specified <b>Maximum analysis time</b>
<a href="#">1772575</a>	Simulink Design Verifier	Test case extension may cause the analysis to time-out before the <b>Maximum analysis time</b>
<a href="#">1725515</a>	Simulink Desktop Real-Time	Windows 10 computer shuts down when simulating a Simulink Desktop Real-Time model
<a href="#">1771908</a>	Simulink Real-Time	<b>Incorrect Code Generation:</b> Silent wrong answer might occur due to sporadic data corruption on the target computer
<a href="#">1748164</a>	Simulink Report Generator	Table title styles for Report API Simulink reporters not applied correctly
<a href="#">1753564</a>	Simulink Report Generator	Figure caption styles for Simulink Report API reporters not applied correctly
<a href="#">1759611</a>	Simulink Report Generator	<code>sldiagreportgen.finder.DiagramElementResult</code> <code>getReporter</code> returns empty reporter <code>for</code> Simulink.Port or Simulink.Segment object
<a href="#">1773612</a>	Simulink Report Generator	Diagram reporter does not report Stateflow.SLFFunction subsystem
<a href="#">1773624</a>	Simulink Report Generator	Report API DiagramElementFinder fails to find elements in Stateflow.SLFFunction object
<a href="#">1771919</a>	Simulink Requirements	Update does not modify "Modified on" of a requirement when only its custom attribute value is changed, thus failing to trigger the change information
<a href="#">1709596</a>	Simulink Test	Crash when opening test harness for a Stateflow block with requirement links
<a href="#">1719847</a>	Simulink Test	Simulink Real-Time license is checked out when the Test Manager starts in Simulink Test
<a href="#">1747033</a>	Simulink Test	null is not an object error when opening the Test Sequence editor

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<a href="#">1747816</a>	Simulink Test	Incomplete verify signal plots in Test Manager
<a href="#">1766286</a>	Simulink Test	Test Sequence block inside a test harness is slow to open
<a href="#">1738631</a>	Stateflow	<b>Incorrect Code Generation:</b> Stateflow absolute time temporal logic incorrectly evaluated for small integer types
<a href="#">1755918</a>	Symbolic Math Toolbox	Symbolic Math Toolbox hangs or issues an error after installing Windows 10 Spring Creator Update 2018

## Bugs Fixed in Update 6 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1637482</a>	Embedded Coder	<b>Incorrect Code Generation:</b> Incorrect generated code is possible for AUTOSAR target when an S-function sets <code>ssSetOutputPortOutputExprInRTW</code> to TRUE
<a href="#">1567068</a>	Simulink	Nested masked Subsystems generate Unconnected block error during update diagram
<a href="#">1707392</a>	Simulink	Sporadic error messages are displayed when Diagnostic Viewer attempts to add more than five tabs
<a href="#">1733372</a>	Simulink Coder	<b>Incorrect Code Generation:</b> Incorrect arguments passed across subsystem boundary for atomic subsystem in referenced model
<a href="#">1624890</a>	Simulink Desktop Real-Time	Computers running macOS High Sierra 10.13 simulate very slowly when using Simulink Desktop Real-Time
<a href="#">1705361</a>	Simulink Requirements	Error when highlighting links to Excel and destination Range is missing or invalid
<a href="#">1714118</a>	Simulink Requirements	Invoking the Update functionality on a Requirement Set that uses custom attributes may lead to the corruption of the Requirement Set file
<a href="#">1737162</a>	Simulink Requirements	Java error when using Document Index tab in Outgoing Link dialog with link to DNG

Update 6 also fixes other issues with Simulink Requirements related to importing rich text from DOORS and linking to items in DOORS Next Generation.

## Bugs Fixed in Update 5 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1646657</a>	MATLAB	<code>mldivide</code> operator <code>A\b</code> can be very slow when <code>A</code> is a sparse symmetric indefinite matrix
<a href="#">1675033</a>	MATLAB	MATLAB fails to launch with Windows user profile containing Unicode characters
<a href="#">1688960</a>	MATLAB	MATLAB can freeze when calling <code>matlab.addons.installedAddons</code> in certain conditions
<a href="#">1689473</a>	MATLAB	MATLAB crashes when you confirm closure of a MATLAB app
<a href="#">1690288</a>	MATLAB	Error using <code>netcdflib</code> when attempting to read from some OPeNDAP servers
<a href="#">1699935</a>	MATLAB	VideoReader fails to read certain video files on Windows

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<a href="#">1713567</a>	Audio System Toolbox	Not all required DLLs are packaged with packNGO for model with MIDI Controls block
<a href="#">1721885</a>	Audio System Toolbox	generateAudioPlugin -win32 plugin generation not working with Microsoft Visual Studio 2017
<a href="#">1721808</a>	Bioinformatics Toolbox	blastlocal fails with corrupted report error for some FASTA input files
<a href="#">1659009</a>	DSP System Toolbox	C/C++ code generation from the System objects <code>dsp.UDPSender</code> or <code>dsp.Receiver</code> might fail due to compiler warnings or errors
<a href="#">1724226</a>	DSP System Toolbox	Fast Block LMS Filter block errors for Reset port choice
<a href="#">1701925</a>	HDL Coder	Unable to generate HDL code for subsystems with no input ports in a design with clock-rate pipelining enabled
<a href="#">1689351</a>	HDL Verifier	<b>Incorrect Code Generation:</b> FPGA-in-the-Loop generates wrong reset logic when set to "active-low"
<a href="#">1657622</a>	MATLAB Coder	Invalid C identifiers generated for enumerations not derived from <code>int32</code>
<a href="#">1709696</a>	MATLAB Coder	Custom FFTW callback with C++ code generation causes compiler error
<a href="#">1689526</a>	Polyspace Code Prover	Compilation error: class has no member "type"
<a href="#">1719073</a>	Polyspace Code Prover	Error in C++ compilation phase: IL entry write-read difference: region number 1
<a href="#">1674478</a>	Simulink	Dragging a signal from a Bus Selector can cause Simulink to respond very slowly
<a href="#">1683762</a>	Simulink	Update diagram during simulation can cause MATLAB to crash
<a href="#">1693551</a>	Simulink	Model Advisor exclusion is not filtering Stateflow library blocks
<a href="#">1694492</a>	Simulink	MATLAB crashes when using units from a disallowed unit system in a <code>Simulink.Parameter</code> object
<a href="#">1697171</a>	Simulink	Error opening Model Configuration Parameters for models using Polyspace and TargetLink
<a href="#">1698882</a>	Simulink	Signal object used in referenced model causes error when updating diagram or simulating
<a href="#">1716596</a>	Simulink	Data cursors in the Simulation Data Inspector might show no value or incorrect value when first point is off-screen
<a href="#">1720319</a>	Simulink	<b>Incorrect Code Generation:</b> Incorrect generated code and/or accelerator simulation results for modeling pattern involving Direct Lookup Table (n-D) within a For Iterator Subsystem
<a href="#">1721660</a>	Simulink	MATLAB Variables or Data Objects display incorrect MATLAB expression for n-D data
<a href="#">1724633</a>	Simulink	'Indices' error when running a model with Selector and Assignment blocks if variable named <code>int32</code> exists in base workspace
<a href="#">1724693</a>	Simulink	Code Generation Advisor hangs when reviewing referenced models
<a href="#">1727745</a>	Simulink	Cannot simulate termination event for Model block with periodic event ports in top model SIL mode

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<a href="#">1542277</a>	Simulink Coder	MinGW compilation issue when building model reference simulation target with mixed C and C++ code
<a href="#">1686741</a>	Simulink Coder	U1052 build error when using the Visual Studio 2017 compiler to build code generated using the TMF approach
<a href="#">1725295</a>	Simulink Coder	Code generation fails when top model contains protected model that references a model
<a href="#">1689219</a>	Simulink Coverage	Unable to see aggregated coverage data in Simulink Test Manager after consistency errors
<a href="#">1627106</a>	Simulink Design Verifier	Simulink Design Verifier compatibility check reports "Unexpected internal error" with stack trace
<a href="#">1697938</a>	Simulink Design Verifier	Simulink Design Verifier takes longer than expected to display results in the <b>Results Summary</b> window after processing all objectives
<a href="#">1720055</a>	Simulink Design Verifier	Simulink Design Verifier takes long time to load existing test cases
<a href="#">1719571</a>	Simulink Desktop Real-Time	Windows 7 computer shuts down when simulating a Simulink Desktop Real-Time model
<a href="#">1724144</a>	Simulink Report Generator	Orphaned section titles in Report API PDF report
<a href="#">1576083</a>	Simulink Requirements	Newly added rows in the source Excel spreadsheet are missed when updating previously imported requirements
<a href="#">1684200</a>	Simulink Requirements	Heading truncated when importing requirements contents from IBM Rational DOORS
<a href="#">1685035</a>	Simulink Requirements	Incorrect caching of imported rich text content may lead to stale data being used for Import or Update from Microsoft Word or Excel
<a href="#">1685844</a>	Simulink Requirements	Pressing Control+S while editing requirements clears all unapplied changes in the current edit field
<a href="#">1691754</a>	Simulink Requirements	System Requirements block in Simulink model appears empty
<a href="#">1693524</a>	Simulink Requirements	Unable to close MATLAB file linked to currently selected Simulink Requirements entity
<a href="#">1700119</a>	Simulink Requirements	When you import rich text requirements and select the option to ignore section numbers, the descriptions of imported requirements still include section numbers
<a href="#">1701015</a>	Simulink Requirements	Created link to IBM Rational DOORS Next Generation artifact points to initial stream version of artifact, not the one that was linked
<a href="#">1704595</a>	Simulink Requirements	During the Update operation, whitespace differences between documents are treated as real changes
<a href="#">1707012</a>	Simulink Requirements	Errors and inconsistencies in public command-line API for Simulink Requirements
<a href="#">1714817</a>	Simulink Requirements	Cannot import multiple Excel worksheets from the same Excel file into the same requirements set

<a href="#">1719685</a>	Simulink Requirements	Existing requirements links from Simulink model to external requirements document are not updated when the external document is imported into a Simulink Requirements Set
<a href="#">1720781</a>	Simulink Requirements	Redirecting incoming links may crash MATLAB if you enable Change Information display
<a href="#">1721346</a>	Simulink Requirements	Cannot link a range in MATLAB code to a selection in the Requirements Editor, when a requirement link already exists for this location in the MATLAB file
<a href="#">1721481</a>	Simulink Test	Running Test Manager on model referencing multiple instances with coverage enabled throws error
<a href="#">1730377</a>	Simulink Test	Error when running a test harness following a clone operation

Update 5 also contains stability improvements and fixes an issue that exists in Update 3 and Update 4 that resulted in Perl errors on Windows machines.

## Bugs Fixed in Update 4 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1709643</a>	Aerospace Blockset	The Quadcopter Project example does not support PARROT Mambo
<a href="#">1649889</a>	Embedded Coder	<b>Incorrect Code Generation:</b> Incorrect code generation may occur when an atomic subsystem output connects to the output of a Unit Delay block
<a href="#">1677909</a>	Embedded Coder	MATLAB might crash when custom storage classes are used in transition labels
<a href="#">1691416</a>	Embedded Coder	MATLAB throws an assertion error when trying to generate code for a model containing a For Each Subsystem
<a href="#">1651711</a>	HDL Coder	Compiler error when FIR Interpolation block is configured to use CSD or Factored-CSD and has multiplier input or output pipeline registers
<a href="#">1642641</a>	MATLAB Coder	Possible MATLAB crash for MEX with JIT compilation
<a href="#">1693367</a>	Parallel Computing Toolbox	Illegal memory access error when calling functions on gpuArrays with Fermi cards (compute capability of 2.x) using CUDA 9 drivers
<a href="#">1697699</a>	Parallel Computing Toolbox	Calls to the power builtin with real gpuArray inputs sometimes silently returns wrong answers
<a href="#">1669454</a>	SimBiology	Saving project throws file not found on disk error
<a href="#">1636329</a>	Simulink	TLC parameter with initial value of zero does not appear in Configuration Parameters dialog box
<a href="#">1648764</a>	Simulink	Model block with periodic event ports does not update its states when simulating in accelerator mode
<a href="#">1655094</a>	Simulink	Solver Profiler error when encountering Simscape Multibody blocks with multidimensional states
<a href="#">1665671</a>	Simulink	Library block OpenFcn using open_system() call with 'parameter' as second input errors when saving
<a href="#">1679837</a>	Simulink	DMR client's dictionary function threw std::exception 'Invalid access' error during simulation
<a href="#">1680474</a>	Simulink	Incorrect terminate event logging in accelerate mode when a test harness model containing IRT uses dataset logging

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<a href="#">1656809</a>	Simulink Coder	<b>Incorrect Code Generation:</b> Merging output from an Initialize, Reset, or Terminate Function block to a root Outport block does not work as expected in generated code
<a href="#">1688298</a>	Simulink Coder	<b>Incorrect Code Generation:</b> Incorrect simulation results and code generation for handle class instances in embedded MATLAB Function blocks
<a href="#">1682619</a>	Simulink Design Verifier	Simulink Design Verifier compatibility check errors for non-scalar Boolean operations in assignment statements in C Charts
<a href="#">1694864</a>	Simulink Report Generator	Diagram reporter hyperlinks fail for Stateflow subchart blocks
<a href="#">1695059</a>	Simulink Report Generator	Report API cannot report on a model that cannot be compiled
<a href="#">1695883</a>	Simulink Report Generator	Diagram reporter accepts non-subchart Stateflow.State objects
<a href="#">1698255</a>	Simulink Report Generator	Diagram reporter fails to report on Stateflow.Box subchart
<a href="#">1705657</a>	Simulink Report Generator	Diagram reporter does not hyperlink inactive variants
<a href="#">1709105</a>	Simulink Report Generator	Code errors in Create a Simulink Report Generator Report Programmatically example

## Bugs Fixed in Update 3 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1609674</a>	MATLAB	cd command fails to change to a One Drive directory
<a href="#">1627216</a>	MATLAB	Statistics columns are blank in the Workspace browser
<a href="#">1658685</a>	MATLAB	Previous import statements are not recognized when running individual code sections from the editor
<a href="#">1675262</a>	MATLAB	MATLAB tools might fail to open when using a proxy server
<a href="#">1679056</a>	MATLAB	writetable displays a popup window asking for permission to overwrite Excel file
<a href="#">1647190</a>	Embedded Coder	Some AUTOSAR examples fail to open
<a href="#">1653442</a>	Embedded Coder	Copy and paste of Model block in AUTOSAR composition model might generate access violation
<a href="#">1666041</a>	Embedded Coder	MATLAB crashes when running SIL/PIL simulation of AUTOSAR model that contains QueuedExplicitReceive ports
<a href="#">1655655</a>	Fixed-Point Designer	"Runs cannot be compared" error in Fixed-Point Tool
<a href="#">1668092</a>	GPU Coder	Error when trying to generate code for deep learning networks on Windows
<a href="#">1676840</a>	Instrument Control Toolbox	fread and binblockread are slow when reading large data sizes
<a href="#">1678330</a>	MATLAB Coder	Toolchain definition in <b>Build 32-bit DLL on 64-bit Windows® Platform Using MSVC Toolchain</b> example contains an error

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<a href="#">1694546</a>	MATLAB Report Generator	Figure reporter does not support SVG as default snapshot format
<a href="#">1688603</a>	Polyspace Bug Finder	Some source files seem to disappear from module when opening project from a previous product release
<a href="#">1640096</a>	Simulink	Data Store Memory blocks with inherited sample time do not simulate correctly and crash during code generation
<a href="#">1644803</a>	Simulink	Two and three-way merges error or never finish for models that contain Simscape connection lines
<a href="#">1658373</a>	Simulink Check	Metric Engine may fail to collect compile-time metric data
<a href="#">1677028</a>	Simulink Check	Invalid or deleted object error message for Model Advisor check "Check Stateflow charts for strong data typing"
<a href="#">1680869</a>	Simulink Check	No "backlink" from DOORS Next Generation requirement artifacts to design objects in MATLAB/Simulink when trying to use bi-directional linking from MATLAB/Simulink side
<a href="#">1685832</a>	Simulink Real-Time	Execution of real-time models that contain interrupt triggered function-call subsystems can skip execution steps
<a href="#">1636953</a>	Simulink Report Generator	Error on 'Accept & Close' for Simulink three-way merge of libraries with self references on Windows
<a href="#">1694541</a>	Simulink Report Generator	Diagram reporter does not support SVG as a default snapshot format
<a href="#">1642857</a>	Simulink Requirements	MATLAB crashes when Stateflow States with requirement annotations are aligned vertically
<a href="#">1645719</a>	Simulink Requirements	Cannot generate web view with Requirements option turned on
<a href="#">1658003</a>	Simulink Requirements	Cannot update imported references to DOORS requirements
<a href="#">1661190</a>	Simulink Requirements	After updating a Requirement Set from an external source, some users may encounter an error while using the application; or links may get resolved to incorrect requirements
<a href="#">1684102</a>	Simulink Requirements	After importing requirements from some Microsoft Word documents, loading a previously saved Requirement Set file produces an error
<a href="#">1691728</a>	Simulink Requirements	Cannot create requirements traceability links from more than one character range in MATLAB Function code
<a href="#">1324867</a>	Vision HDL Toolbox	Vision HDL blocks that contain a line buffer do not work when valid is toggled within a line

Update 3 also fixes broken links in the Audio System Toolbox documentation and contains performance improvements for Simulink models that contain Dashboard blocks. Update 3 also upgrades R2017b to use newer versions of the following third-party libraries: Java (TM) SE Runtime Environment (build 1.8.0\_144-b01); OpenSSL (1.02I); Perl (5.26.1); cURL (7.56.1).

## Bugs Fixed in Update 2 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1648079</a>	Aerospace Toolbox	dcmeci2ecef, lla2eci, eci2lla, and eci2aer transformations for IAU-76/FK-5 reduction may return inaccurate results with adjustment to longitude and obliquity
<a href="#">1651279</a>	DSP System Toolbox	designMultirateFIR designs filters of the wrong length in some cases
<a href="#">1653150</a>	DSP System Toolbox	Spectrum Analyzer crashes MATLAB in filter bank mode
<a href="#">1655286</a>	DSP System Toolbox	Scaling issue in <code>dsp.HighpassFilter</code> and <code>dsp.LowpassFilter</code>
<a href="#">1544487</a>	MATLAB Report Generator	Block diagram hyperlinks from Stateflow Chart and Model blocks do not work
<a href="#">1675547</a>	MATLAB Report Generator	Figure reporter produces image too big to fit on report page
<a href="#">1656842</a>	Neural Network Toolbox	Error when using GPUs with compute capability 7.0 or above with convolutional neural network functions such as <code>trainNetwork</code> , <code>classify</code> and <code>activations</code>
<a href="#">1668715</a>	Parallel Computing Toolbox	Error when using <code>arrayfun</code> and some element-wise functions with <code>gpuArray</code> input arguments and GPUs with compute capability 2.0 or 2.1
<a href="#">1654727</a>	Powertrain Blockset	Cannot open reference applications from Simulink Start Page Examples tab
<a href="#">1654180</a>	Simscape Fluids	Simple Heat Exchanger (G-TL) block ignores changes to initial conditions of gas
<a href="#">1649299</a>	Simulink	<code>signalbuilder</code> function unnecessarily opens Simulink model when deleting signals from Signal Builder block
<a href="#">1650561</a>	Simulink	Clicking the Analysis menu with more than 1,000 model elements selected can cause Simulink to appear to stop responding
<a href="#">1658443</a>	Simulink	MATLAB crashes during simulation or update diagram of a model hierarchy containing Variant Source blocks connected to global Data Store Read/Write blocks
<a href="#">1675537</a>	Simulink Report Generator	Diagram reporter produces images too big to fit on a page
<a href="#">1620084</a>	Vision HDL Toolbox	<b>Incorrect Code Generation:</b> HDL and Simulation behavior mismatch in Vision HDL Toolbox Lane Detection example
<a href="#">1644875</a>	Wavelet Toolbox	2-D stationary wavelet transform denoising error generates incorrect thresholds and scripts

Update 2 also contains performance improvements to math operations in convolutional neural networks, improvements to reading `Image Datastore` objects in MathWorks Cloud Center, and enhanced support for Updates in MATLAB Distributed Computing Server.

## Bugs Fixed in Update 1 (also included in Update 9)

Bug Report	Product	Summary
<a href="#">1619136</a>	MATLAB	<code>writetable</code> does not write variable names for empty table

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<a href="#">1621835</a>	MATLAB	fitsread returns an error when reading a file with special characters in its file path
<a href="#">1626266</a>	MATLAB	Apps without components in Design View (other than <code>app.UIFigure</code> ) do not open
<a href="#">1631186</a>	MATLAB	MATLAB might crash after an object's property validations are modified
<a href="#">1658521</a>	MATLAB	Apps that previously shared callbacks with deleted components do not open
<a href="#">1651732</a>	MATLAB Report Generator	Replacing a table or content placeholder corrupts PowerPoint presentation
<a href="#">1640479</a>	Powertrain Blockset	Longitudinal Wheel block calculation error when you select <b>Rolling Resistance</b> parameter <b>Pressure</b> and <b>velocity</b>
<a href="#">1641712</a>	Simulink	Memory overhead when running simulations with signal logging on a cluster using MATLAB Distributed Computing Server
<a href="#">1641726</a>	Simulink Coder	Parallel build of model with non-default <b>MakeCommand</b> parameter value might fail
<a href="#">1649009</a>	Simulink Coder	U1052 build error when using Visual Studio 2017 compiler
<a href="#">1636962</a>	Simulink Report Generator	Stateflow Snapshot component generates off-centered images for certain Stateflow objects
<a href="#">1657694</a>	Simulink Report Generator	Table entries might overflow table boundaries in Report Explorer PDF reports