Reactis V2012.2 Released December 19, 2012





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MATLAB R2012b

- Simplified initialization mode
- Initializing constant blocks with Workspace variables having a structure type



Motivation:

- Assume transmission software can control either:
 - 4 speed transmission with 1st gear ratio of 3.0
 - 5 speed transmission with 1st gear ratio of 3.5
- Previous versions of Reactis:
 - Tag numGears and gearRatio as configuration variables
 - numGears can be 4 or 5; gearRatio can be 3.0 or 3.5
 - But could not specify dependency of *gearRatio* on *numGears*, so all combinations used for testing:

numGears	gearRatio
4	3.0
4	3.5
5	3.0
5	3.5



New feature *Configuration Variable Sets* lets you specify dependencies:

- ▶ If *numGears* = 4 then *gearRatio* = 3.0
- ▶ If *numGears* = 5 then *gearRatio* = 3.5

So we get only the desired combinations:

numGears	gearRatio
4	3.0
5	3.5



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	gearRatio	double{3.0}		
	numGears	double{4.0}		

Configuration variable set:	numGears5 👻
Configuration Variable	Туре
gearRatio	double{3.5}
numGears	double{5.0}
-	

4 Gears





Faster model initialization

 Capability for administrator to disconnect user from license manager in order to free license

