No.	Name	Specifics
3.2	Stick-slip-effect	o controllable source (friction force)
		o displacement output of an I-storage used (block mass)
		o activated bond (AB element) used for measurement of v
3.6	Fall test	o displacement output of an I-storage used (mass)
		o non-linear R consumer (damping: d resp. d_{Fall})
		o non-linear TF transformer used as a bond switch
		o activated bond (AB element) used for measurement of v
3.7	Dynamic vibration absorber	o displacements with initial values (x_0 - mass; y_0 – absorber mass)
		o power variable with initial value (spring force)
		o 1-node transformed as a distributor for absorber damping and force
4.4	Roll damping	o controllable sources (torques)
		o displacement output of an I-storage used (moment of inertia)
		o activated bond (AB element) used for measurement of ω
		o with control
6.2	AC current generator,1~	o coupling of two (part) bond graphs via activated bond
		o controllable sources (u_E, u_{ind} and i_L)
		o I-storage (L_E) and initial value for computed power variable (i_E)
		o non-linear R consumer (R_Z)
		o activated bond (AB element) used for measurement of i_E and u_G
6.3	Solenoid	o I-storage (armature mass) using an initial value for displacement (x_0), displacement limitation (trajectory) and initializing of a power variable (speed)
		o non-linear C-field using an inverted sign for a connection to F2 of BG_KN1 with negative sign – see subsystem "M"
		o node block inserted for measurement (0-node for F_M measurement)
		o activated bond (AB element) used for measurement of v, i and F_M
6.4	Lifted load	o controllable source (motor torque of an AC machine)
		o total mass of three rigid connected, ideal masses
		o standard 1-node having two inputs and no "consumer"
		o activated bond (AB element) used for measurement of ω
6.5	Motion-less Scales (3 solutions)	o inverted output of GY
		o activated bond (AB element) used for measurement of i and v
		o possible variants: mass change at t≠0 (IC-field use) resp. positive sign

7.1	DC motor & rigid shaft / Energy efficiency	o	SD Block used as destination for periodical load change
		o	activated bond (AB element) used for measurement of ω_M and i
		o	use of power outputs P[W]
		o	computation of the energy efficiency via SIMULINK Blocks
7.2	DC motor & elastic shaft	o	SD Block used as destination
		o	activated bond (AB element) used for measurement of ω_M, m_F and ω_L
7.3	State control regarding 7.2	o	inserting of a node block for measurement tasks
		o	activated bond used for measurement of i, ω_M, m_F, ω_L and m_L
		o	bond graph as a plant model for control
8.1	Kelvin-Voigt-element	o	standard 1-node using two inputs
		o	1-node transformed as distributor for damping and spring
		o	activated bond (AB element) used for measurement of v_{eig} and F_{ab}
8.2	Band conveyor using 8.1 (2 solutions)	o	loop structure avoiding series connection for same node types
		o	scalar resp. vectorial (parameters in matrices) bond connections
		o	inserting of nodes for measurement tasks (F_{zu} and v_{nach})
		o	SD block as destination and transformed 1-node (measurement)
		o	activated bond used for measurement of v_{eig}, F_{zu}, v_{nach} and F_{ab}

Summary of examples specifics – BG V.2.0