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Scilab Functions	Matlab Functions	C++ Functions	Description
bezoutd.sci	bezoutd.m		Solve Bezout equation: $P=AS_oH_s+BR_oH_r$
cont2disc.sci	cont2disc.m		*z transform*: *F(s) -> F(z)* with zero order hold (zoh)
fd2pol.sci	fd2pol.m		Compute discrete time 2nd order from the natural frequancy and damping of a continuous time 2nd order
omega_dmp.scii	omega_dmp.m		Compute natural frequency and damping of a continuous time 2nd order from the rise time and the overshoot
predisol.sci	predisol.m		Solve predictor equation
nyquist_ol.sci	nyquist_ol.m		Compute Nyquist plot
filter22.sci	filter22.m		Compute a narrow band resonant filter (zeros/poles)
	ppmaster.m		Design of digital controllers by pole placement with sensitivity shaping
estorderls.sci	estorderls.m		Complexity estimation using least squares criterion
estorderviv.sci	estorderiv.m		Complexity estimation using an instrumental variable
nrls.sci	nrls.m		Non recursive least squares
rls.sci	rls.m		Recursive least squares
rels.sci	rels.m		Extended least squares(recursive)
oloe.sci	oloe.m		Output error (recursive)
foloe.sci	foloe.m		Output error with filtered observations
afoloe.sci	afoloe.m		Output error with adaptive filtering of the observations
xoloe.sci	xoloe.m		Output error with extended predicition model
vi_maux.sci	vi_maux.m		Instrumental variable with auxiliary model
	udrls.m		U-D factorized recursive least squares
	olvalid.m		Open loop model validation
	clid.zip		Closed loop identification toolbox
	reduc.zip		Controller reduction toolbox
	prbs.m	prbs.c	Pseudo random binary sequence generation
		rst.c	RST controller algorithm

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