Initialization init.m	
pars	Parameter structure for simulation environment
Tsim	Total simulation time for one run
Nruns	Number of runs

Key fields in pars		
estBufferSize	Buffer size for model estimator	
optCtrlMode	Optimal controller mode	
ctrlStackSize	N	
criticStackSize	M	
rcostS, rcostR	S,R	

optCtrlMode		
1, 2 - model-predictive control (MPC)	$J\left(y_1,\{u\}_1^N ight) = \sum_{k=1}^N r(y_k,u_k)$	
3, 4 - RL/ADP via stacked Q-learning	$J\left(y_1,\{u\}_1^N ight) = \sum_{k=1}^N \hat{Q}(y_k,u_k)$	
5, 6 - RL/ADP via N roll-outs of r	$J\left(y_{1},\{u\}_{1}^{N} ight)=\sum_{k=1}^{N-1}r(y_{k},u_{k})+\hat{Q}(y_{N},u_{N})$	

Modes 1, 3, 5 use true model (f,h) for prediction Modes 2, 4, 6 use an a state-space model estimated online

Legend		
[•,•]	a matrix	
struct	a structure	
r	running cost	
N	control horizon	
M	critic stack size	
J	controller cost function	
J_c	critic cost function	
Q,\hat{Q}	Q-function and its approximate	
e	temporal difference	
W,W^-	current and previous critic weights	
R, S	matrices in $r(y,u) = y^ op Sy + u^ op Ru$	
γ	discounting factor	
L	number of critic weights	
dt	controller sampling time	





