BPL CHO Fedbatch demo

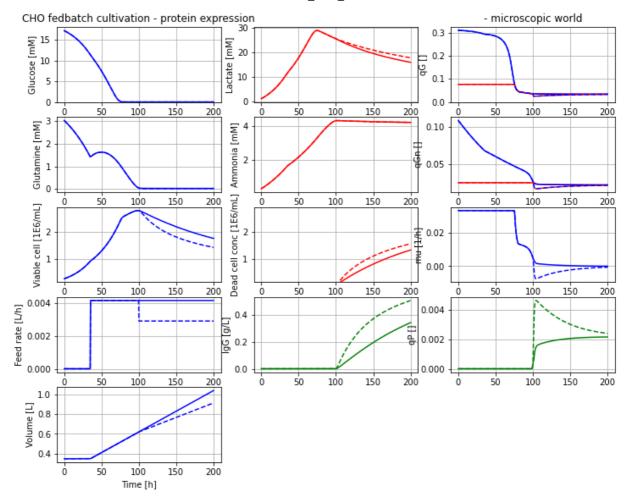
```
In [1]:
        run -i BPL_CHO_fedbatch_explore.py
        Windows - run FMU pre-compiled JModelica 2.14
        Model for bioreactor has been setup. Key commands:
                       - change of parameters and initial values
         - par()
         - init()
                       - change initial values only
         - simu()

    simulate and plot

         - newplot() - make a new plot
                       - show plot from previous simulation

    show()

                       - display parameters and initial values from the last simulation
         - describe() - describe culture, broth, parameters, variables with values / units
        Note that both disp() and describe() takes values from the last simulation
        Brief information about a command by help(), eg help(simu)
        Key system information is listed with the command system_info()
In [2]:
         plt.rcParams['figure.figsize'] = [30/2.54, 24/2.54]
In [3]:
         # Slide 3
         newplot('CHO fedbatch cultivation - protein expression', plotType='Textbook_3')
         # Data from Table 1 and 2 for experiment 3
         V 0=0.35
         init(V_0=V_0, VXv_0=V_0*0.29, VXd_0=V_0*0.010)
         init(VG_0=V_0*17.17, VGn_0=V_0*3.02, VL_0=V_0*1.12, VN_0=V_0*0.29)
         # Feeding
         Feed=0.1/24
         par(G_in=15, Gn_in=9.3)
         par(t0=0, F0=0, t1=35, F1=Feed, t2=100, F2=Feed, t3=300, F3=Feed)
         # Culture parameters
         par(alpha=-1.0, beta=0.01)
         # Simulation
         simu(200)
         par(t2=100, F2=0.7*Feed, t3=300, F3=0.7*Feed); simu(200)
         par(F2=Feed, F3=Feed)
```



In [4]: system_info()

System information

-OS: Windows -Python: 3.9.5 -PyFMI: 2.9.5

-FMU by: JModelica.org

-FMI: 2.0

-Type: FMUModelCS2 -Name: BPL CHO.Fedbatch

-Generated: 2022-08-19T14:17:34

-MSL: 3.2.2 build 3

-Description: Bioprocess Library version 2.1.0 beta

-Interaction: FMU-explore ver 0.9.2

In []: