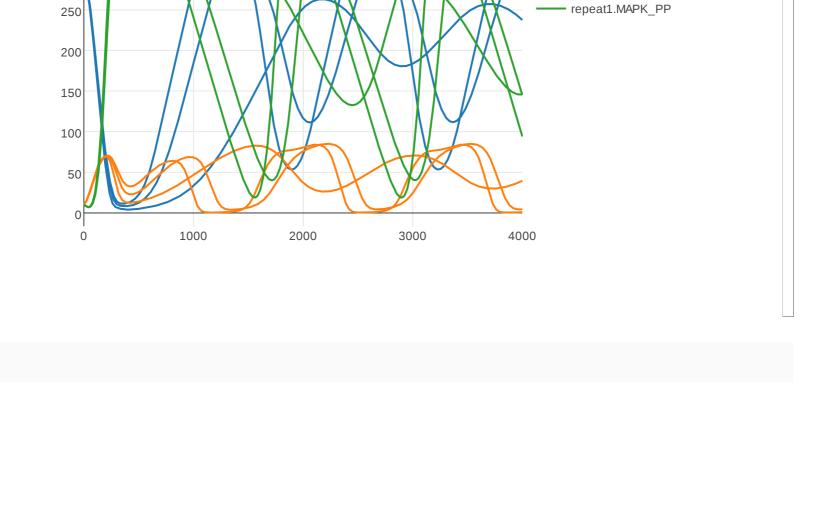
```
[3] // -- Begin Antimony block converted from MAPKcascade.xml
// Created by libAntimony v2.9.3
model *MAPKcascade()
  . . .
  // Reactions:
  JO: MKKK => MKKK_P; JO_V1*MKKK/((1 + (MAPK_PP/JO_Ki)^JO_n)*(JO_K1 + MKKK));
  J1: MKKK_P => MKKK; J1_V2*MKKK_P/(J1_KK2 + MKKK_P);
  J2: MKK => MKK_P; J2_k3*MKKK_P*MKK/(J2_KK3 + MKK);
  J3: MKK_P \Rightarrow MKK_PP; J3_k4*MKKK_P*MKK_P/(J3_KK4 + MKK_P);
  J4: MKK_PP => MKK_P; J4_V5*MKK_PP/(J4_KK5 + MKK_PP);
  J5: MKK_P \Rightarrow MKK; J5_V6*MKK_P/(J5_KK6 + MKK_P);
  J6: MAPK => MAPK_P; J6_k7*MKK_PP*MAPK/(J6_KK7 + MAPK);
  J7: MAPK_P => MAPK_PP; J7_k8*MKK_PP*MAPK_P/(J7_KK8 + MAPK_P);
  J8: MAPK_PP => MAPK_P; J8_V9*MAPK_PP/(J8_KK9 + MAPK_PP);
  J9: MAPK_P \Rightarrow MAPK; J9_V10*MAPK_P/(J9_KK10 + MAPK_P);
  . . .
end
// -- End Antimony block
// -- Begin PhraSEDML block converted from main.xml
// Created by libphrasedml v1.0.7
// Models
model1 = model "MAPKcascade"
// Simulations
sim1 = simulate uniform(0, 4000, 1000)
// Tasks
task1 = run sim1 on model1
// Repeated Tasks
repeat1 = repeat task1 for model1.J1_KK2 in [1, 10, 40], reset=true
// Outputs
plot "Sampled Simulation" repeat1.time vs repeat1.MKK, repeat1.MKK_P, repeat1.MAPK_PP
// -- End PhraSEDML block
```

Sampled Simulation



repeat1.MKKrepeat1.MKK\_P

300