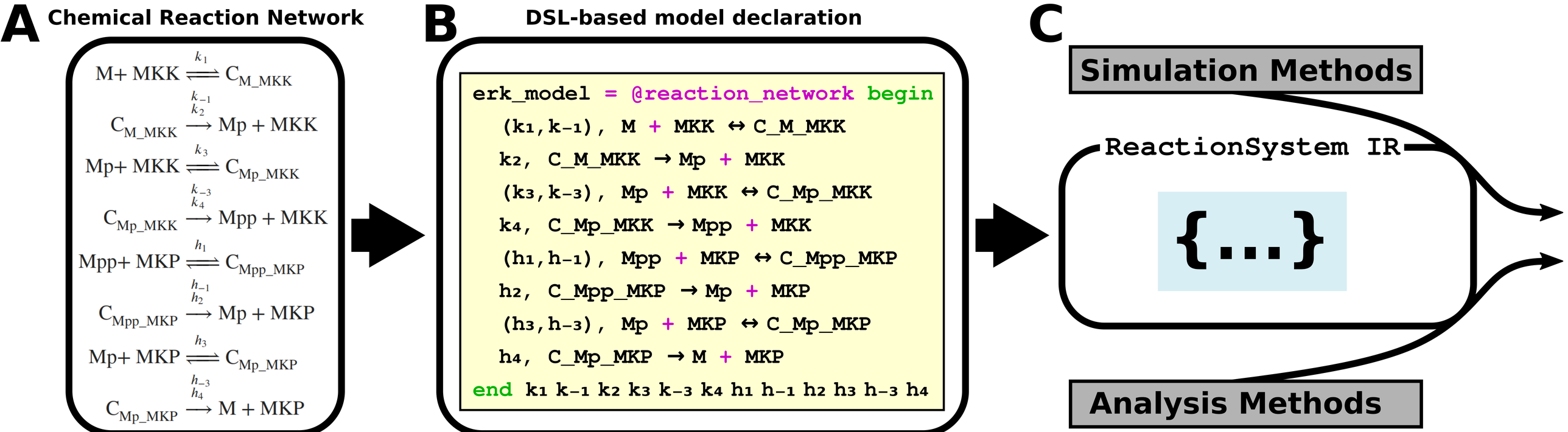
A
Chemical Reaction Network
M+ MKK ⇌ C_M_MKK
C_M_MKK → Mp + MKK
Mp+ MKK ⇌ C_Mp_MKK
C_Mp_MKK → Mpp + MKK
Mpp+ MKP ⇌ C_Mpp_MKP
C_Mpp_MKP → Mp + MKP
Mp+ MKP ⇌ C_Mp_MKP
C_Mp_MKP → M + MKP
B
DSL-based model declaration
erk_model = @reaction_network begin
(k1,k-1), M + MKK ↔ C_M_MKK
k2, C_M_MKK → Mp + MKK
(k3,k-3), Mp + MKK ↔ C_Mp_MKK
k4, C_Mp_MKK → Mpp + MKK
(h1,h-1), Mpp + MKP ↔ C_Mpp_MKP
h2, C_Mpp_MKP → Mp + MKP
(h3,h-3), Mp + MKP ↔ C_Mp_MKP
h4, C_Mp_MKP → M + MKP
end k1 k-1 k2 k3 k-3 k4 h1 h-1 h2 h3 h-3 h4
C
Simulation Methods
ReactionSystem IR
{...}
Analysis Methods