















































```
Dimensions of rate and equilibrium constants
       \mathbf{A} + \mathbf{B} \xrightarrow[k_2]{k_1} \mathbf{A} \mathbf{B}
                                                                               1/sec
                               dissociation rate constant k_2
                                                                                1/(M sec)
                               association rate constant k_1
                                                                              М
                        dissociation equilibrium constant K_d = k_2/k_1
                                                                                1/M
                        association equilibrium constant K_a = k_1/k_2
                                          → rate constant k<sub>3</sub>
                                                                                 1/sec
                                          ← rate constant k_4
                                                                                 1/sec
                                    \rightarrow equilibrium constant K_{\rightarrow} = k_3/k_4
                                   \leftarrow equilibrium constant K_{\leftarrow} = k_4/k_3 --
                                     BKEB Lec 1: Numerical Models
BioKin
```





















