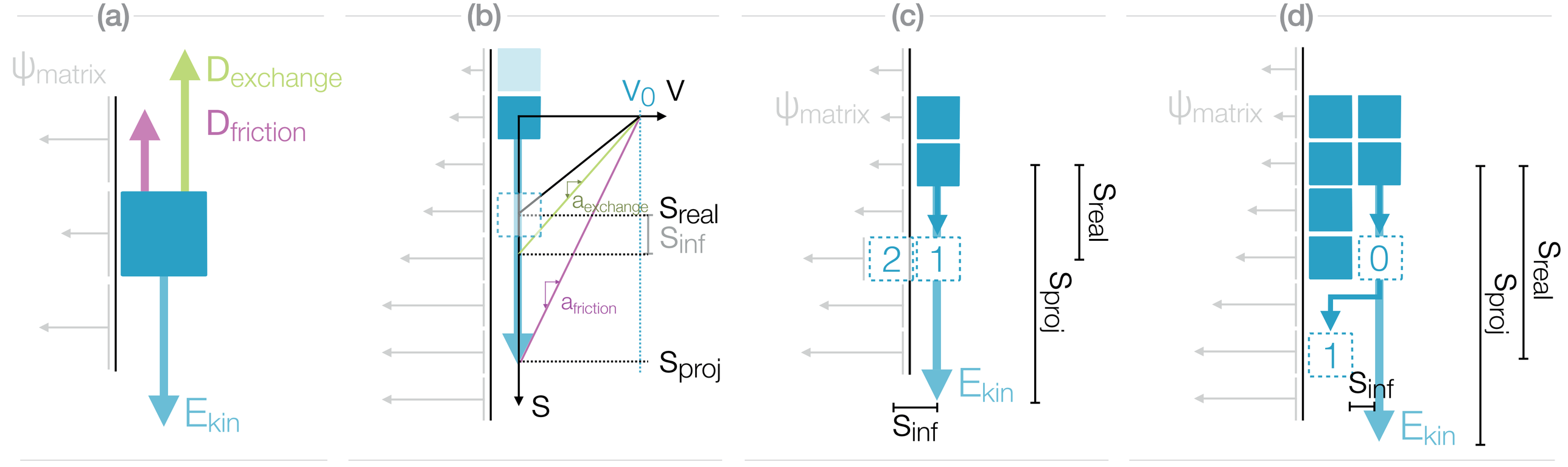
(a)
ψmatrix
Dexchange
Dfriction
Ekin
(b)
V0
V
aexchange
Sreal
Sinf
afriction
Sproj
S
(c)
ψmatrix
2
1
Sreal
Sproj
Ekin
Sinf
(d)
ψmatrix
0
1
Sreal
Sproj
Sinf
Ekin