


```

    sfunc(27) = -ks*s(26)*s(27)+ks*s(20)*s(28)-
kf*s(27)*s(28)+krf*s(30)-kf*s(24)*s(27)+krf*s(32)-
kf*s(19)*s(27)+krf*s(34)
    sfunc(28) = -ks*s(20)*s(28)-ks*s(26)*s(27)-
kf*s(27)*s(28)+krf*s(30)-kf*s(25)*s(28)+krf*s(31)
    sfunc(29) = kf*s(24)*s(25)-krf*s(29)
    sfunc(30) = kf*s(27)*s(28)-krf*s(30)
    sfunc(31) = kf*s(25)*s(28)-krf*s(31)
    sfunc(32) = kf*s(24)*s(27)-krf*s(32)
    sfunc(33) = kf*s(20)*s(26)-krf*s(33)
    sfunc(34) = kf*s(19)*s(27)-krf*s(34)

    sfunc(35) = ks*s(19)*s(25)-ks*s(35)*s(36)-kf*s(35)*s(43)+krf*s(50)
    sfunc(36) = ks*s(19)*s(25)-ks*s(35)*s(36)-kf*s(36)*s(37)-
ks*s(36)*s(40)+ks*s(41)*s(42)+ks*s(42)*s(43)-ks*s(36)*s(44)-
kf*s(36)*s(42)+krf*s(49)
    sfunc(37) = -kf*s(36)*s(37)
    sfunc(38) = kf*s(36)*s(37)
    sfunc(39) = kf*s(36)*s(37)
    sfunc(40) = -ks*s(36)*s(40)+ks*s(41)*s(42)-
kf*s(40)*s(41)+krf*s(45)-kf*s(40)*s(43)+krf*s(48)
    sfunc(41) = ks*s(36)*s(40)-ks*s(41)*s(42)-kf*s(40)*s(41)+krf*s(45)-
kf*s(41)*s(44)+krf*s(47)
    sfunc(42) = ks*s(36)*s(40)-ks*s(41)*s(42)-
ks*s(42)*s(43)+ks*s(36)*s(44)-kf*s(36)*s(42)+krf*s(49)
    sfunc(43) = -ks*s(42)*s(43)+ks*s(36)*s(44)-
kf*s(43)*s(44)+krf*s(46)-kf*s(40)*s(43)+krf*s(48)-
kf*s(35)*s(43)+krf*s(50)
    sfunc(44) = -ks*s(36)*s(44)-ks*s(42)*s(43)-
kf*s(43)*s(44)+krf*s(46)-kf*s(41)*s(44)+krf*s(47)
    sfunc(45) = kf*s(40)*s(41)-krf*s(45)
    sfunc(46) = kf*s(43)*s(44)-krf*s(46)
    sfunc(47) = kf*s(41)*s(44)-krf*s(47)
    sfunc(48) = kf*s(40)*s(43)-krf*s(48)
    sfunc(49) = kf*s(36)*s(42)-krf*s(49)
    sfunc(50) = kf*s(35)*s(43)-krf*s(50)

endfunction

s=ode("rkf",s0,t0,t,sdot)
plot2d(t,s(7,:),1)
plot2d(t,s(23,:),2)
plot2d(t,s(39,:),3)

temp=cat(1,t,s)
csvWrite(temp,"EFD_ABC.csv")

stacksize('max')

```