Please prepare to make a surface (in 3d) where you plot the following eqn in S,P as variables x,y respectively and z as the third axis. For now find the right software. Once you are ready I will give you the values of the constants F and c. Also show 2d inset graphs where you look at a) cross section z,x for given y and b) cross section z,y for given x. If you have trouble learning the software let me know I can do it e.g. in matlab. But it would be best if you can be involved.

$$z = \left\{ F_1 c_{11} + (F_2 c_{21} + F_3 c_{31} + F_4 c_{41} + F_5 c_{51}) [S] + (F_1 c_{12} + F_5 c_{52}) [P] + \right.$$
$$\left. + (F_2 c_{22} + F_3 c_{32} + F_5 c_{53}) [S][P] + F_5 c_{54}[P]^2 \right\} * D^{-1}$$

$$D = c_{11} + c_{12}[P] + c_{21}[S] + c_{22}[S][P] + c_{31}[S] + c_{32}[S][P] + c_{41}[S] + c_{51}[S] + c_{52}[P] + c_{53}[S][P]$$
$$= c_{11} + (c_{21} + c_{31} + c_{41} + c_{51})[S] + (c_{12} + c_{52})[P] + (c_{22} + c_{32} + c_{53})[S][P] + c_{54}[P]^2$$