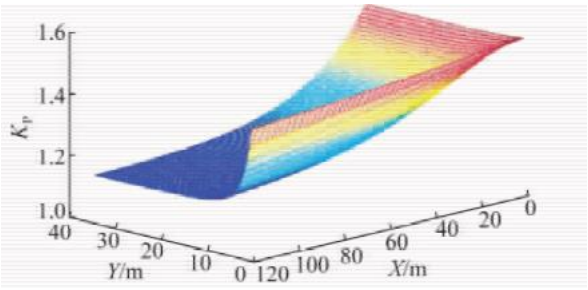
Dear Professor,

I'm a huge fan of you who just asked you at Github. Now I'm going to bother you again. I'm currently working on a gob seepage problem, here are some details.

Here is a simulation calculation expression describing the compaction distribution.

$$K_P\left(x,y\right)=K_{P,\min}+\left(K_{P,\max}-K_{P,\min}\right)\times\exp\left(-a_1d_1\left(1-e^{-\xi_1}a_0d_0\right)\right)$$

Among them, K_P is the gob expansion factor (distribution function), no cause Second-rate. Figure 1 is a display result of $K_p(x, y)$ distribution.



expansion factor distribution

The porosity distribution function of the corresponding goaf is:

$$n\left(K_P,x,y\right)=1-1/K_P$$

The relationship between the permeability coefficient k of porous media and porosity is:

$$k=b\frac{n^3}{\left(1-n\right)^2}$$

The above is my description and it may not be very clear. How to get distribution images of absolute permeability, porosity and expansion factor in the OpenPNM? Looking forward to your reply.

Best wishes,

Your fan