GEGN 467
FINAL EXAM WED DEC 15 from 7PM to 9:10PM
***** NOTE ROOM BE205 *****

GEGN 466
FINAL EXAM THURS DEC 16 from 10:15AM to 12:25 PM
***** NOTE ROOM BE204 *****
Or depending on whether you signed up for Wed evening
FINAL EXAM WED DEC 15 from 7PM to 9:10PM
***** NOTE ROOM BE205 *****

BRING CHEAT SHEETS
CALCULATOR
TRANSPARENCIES

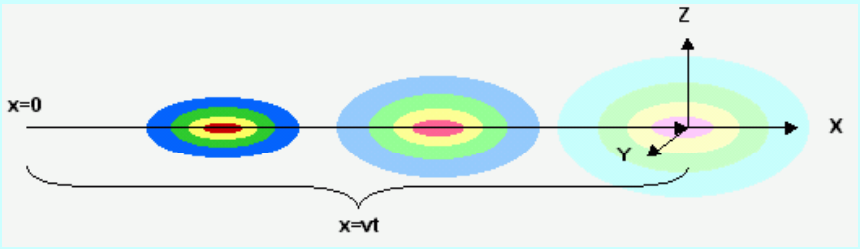
OFFICE HOURS DURING FINALS WEEK

MONDAY DEC 13 10-11AM and 3-4 PM

WEDNESDAY DEC 15 4-6 PM

Or email anytime
epoeter@mines.edu

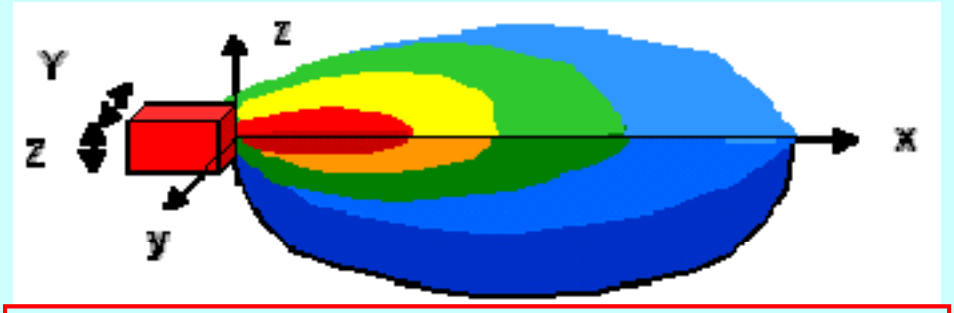
Recall Analytical Transport models, e.g. for 1D slug source:



$$C(x=\bar{v}t+X, y=Y, z=Z) = \frac{M}{8(\pi t)^{\frac{3}{2}}\sqrt{D_x D_y D_z}} e^{-\frac{X^2}{4D_x t}-\frac{Y^2}{4D_y t}-\frac{Z^2}{4D_z t}}$$

Uniform flow can be created by fixing heads on west and east
and specifying no flow on north south top and bottom
Need to specify transport boundaries (instantaneous addition of Mass at x=0 t=0)
Initial condition would be Co = 0 at all x,y,z
Need effective porosity (or average linear velocity)
Need dispersivity

Analytical Solution for transport in
1D flow field
continuous source
3D spreading



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