

Calculator Program for Determination of pH During the Course of a Titration

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Use at your own risk.

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PROGRAM: TITRATE4
:Input "ACID CONC, M ", A
:Input "ACID VOL, ML ", V
:Input "BASE CONC, M ", B
:Input "BASE VOL, ML ", U
:Input "KA ", K
A*V/(V+U)->C
B*U/(V+U)->D
:E-14->W
:solve(X^3+(D+K)
*X^2+(K*D-W-K*C)
X-K*W,X,4,{0,5}
)->H
-log(H)
```