

METHOD AND APPARATUS FOR SOLVING MULTIPLE EQUATIONS

ABSTRACT OF THE DISCLOSURE

In a calculating device, a method and apparatus for representing to a user the state of variables in multiple equations to be solved. The representation in the present embodiment is through a user interface. The interface displays labels assigned to the variables within the multiple equations and indicates to the user on the label the state of each variable. These states are four: user-supplied values (U); calculator-supplied values (C); related values (R); and non-related values (N). Related values (R) are values that were used or solved for together in the latest solution of the equations. Through menu keys assigned to the variables represented by the labels, a user can supply or clear values for the variables for the next solution. The method also includes saving the order in which the variables are found and the order in which the equations are solved. This information allows the user to review the solution path followed by the calculating device in solving the multiple equations.

(Fig. 1)