

Mathematics with the HP48G Calc

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1 Linear Systems

System of linear equations is a set of equations. The equations have the same set of variables.

1.1 Example 1

A first basic example is given as follows:

- Linear system (1)

- $3x + 2y - z = 1$
 - $2x - 2y + 4z = -1$
 - $-x + 0.5y - z = 0$

- The solution is:

- $x = 1$
 - $y = -2$
 - $z = -2$

- The solution with HP48g with image of the calculator:

- Several screenshots of the calculator are given. First it illustrates entering the two matrix, which will allow to solve the system.
 - Press "Solve" allows the HP48G to calculate and return the solution in form of a matrix.

