Grand Smith Orthogonality, Gauss-Jordan elimination

# Grand Smith Orthogonality

linearly independent vectors

and

## Example

Calculate:

### I. Calc

I./I. Calc

I./II. Calc

I./III. Calc

### II. Calc

II./I. Calc

II./II. Calc

II./III. Calc

### III. Calc

III./I. Calc

III./II. Calc

III./III. Calc

# Gauss-Jordan elimination

Note gauss elimination use down method and after up method, Gauss-Jordan up and down method use simultaneously.

## Multi variable solver

I. write in single format

II. swap lines if need

III. add or subtract line form other line on or multiple times.

IV. if equation is true for every variable like 0=0, set equal t variable

### Example

I. write simpler format

II. swap line if need

III. add or subtract line form other line on or multiple times.

### Example (multiple solution)

I. write simpler format

II. swap line if need

III. add or subtract line form other line on or multiple times.

IV. if equation is true for every variable like 0=0, set equal t variable

## Inverse matrix solver

Same as variable but right side is identity matrix and we have to bring to left side.

Example:

A képen szöveg, Betűtípus, szám, képernyőkép látható

Automatikusan generált leírás