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| getFixedEF.onePhase {infoDecompuTE} | R Documentation |

## Calculate Coefficients of Fixed Effects Components of EMS and Treatment Efficiency Factors within each stratum in Single-Phase Experiment.

### Description

Constructs a matrix containing the coefficients of coefficients of fixed effects components of EMS within each stratu. Also calculates the average efficiency factors of each treatment effect across all strata..

### Arguments

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| effFactors | a list of numeric vectors from trtProjMat function. |
| trt.Coef | a numeric vector generated by getTrtCoef function. |
| T | a list of matrices from makeTreatProjectors function. |
| Rep | a numeric vector from getReplicationList function. |
| table.legend | a logical; allows user to generate a legend for the variance components of the ANOVA table for large designs. Default is FALSE, resulting in the use of original treatment factor names. |

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| getCoefVC.onePhase {infoDecompuTE} | R Documentation |

## Compute Coefficients of Variance Components corresponding to random effects in the Expected Mean Squares of ANOVA in Single-Phase Experiment

### Description

Construct a matrix contain the coefficients of the variance componenets of single-phase experiments. The mean squares is calculated is the response arguement is used.

### Usage

getVcCoefMS.onePhase(PNTginvATNP, design.df, v.mat, response, table.legend)

### Arguments

|  |  |
| --- | --- |
| PNTginvATNP | a list of matrices from the blkProkMat function. |
| design.df | a data frame containing the design of the experiment. Every column must be factors. |
| v.mat | a list of matrix from the getVMat.onePhase function. |
| response | a numeric vector contains the responses from the experiment. |
| table.legend | a logical allows the users to use the legend for the variance components of the ANOVA table for a large design. Default is FALSE, which uses the original names. |