

Adding Matrices

```
;Add matrices
RUN PGM=MATRIX

FILEI MATI[1] = "InputDirectory\InputMatrix1.MAT" ; Input Matrix 1
FILEI MATI[2] = "InputDirectory\InputMatrix2.MAT" ; Input Matrix 2
FILEO MATO[1] = "OutputDirectory\OutputMatrix.MAT", MO=1-3, NAME=SUM1,SUM2,SUM3

ZONES=4000 ; Number of zones

; Perform the additions
MW[1]=mi.1.1 + mi.2.1
MW[2]=mi.1.2 + mi.2.2
MW[3]=mi.1.3 + mi.2.3

ENDRUN
```

Aggregating Matrices

```
;Aggregate matrices
RUN PGM=MATRIX

FILEI MATI[1] = InputMatrix.MAT

FILEO MATO[1] = AggregatedMatrix.mat, MO=1-2, NAME=Aggregated1,Aggregated2

MW[1]=mi.1.1
MW[2]=mi.1.2

RENUMBER FILE = TAZ_AGGREGATION_CORRESPONDENCE.CSV,
ZONES=20, MISSINGZI=M, MISSINGZO=M

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```

1	5
2	5
3	5
4	5
5	4
6	4
7	19
8	19
9	19
10	17

Sample Correspondence file:

- No headers
- First column TAZ, second column aggregation index

Converting Matrix to .csv

```
;Convert matrix to csv
RUN PGM=MATRIX

FILEI MATI[1] = InputMatrix.mat
FILEO PRINTO[1] = OutputCSV.csv

mw[1] = mi.1.1

; Print column headers
IF (i=1)
print csv=T, printo=1, list="Origin", "Destination","Matrix1", "Matrix2", "Matrix3"
ENDIF

; Output data into csv
JLOOP
print csv=T, printo=1,list=i,j,mw[1],mw[2],mw[3]
ENDJLOOP

ENDRUN
```