



Extensions of G7

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New Developments

Minor Improvements

- Many minor adjustments to the interface
 - To make G7 more pleasant to use
 - To speed common operations
- Small extensions to existing tools
- Bug fixes

Significant Extensions

- Extensions to matrix balancing
- Excel interface for reading and writing in Excel format
- Basic flow control - conditional execution of scripts

Interface Adjustments

- Track all open windows from G7 Window Menu
- Improve control of “focus” and cursor position

Shortcuts

G7 Editor Shortcuts:

F9	Execute the program
CTRL-F	Search
CTRL-R	Search and Replace
F3	Search Again
CTRL-S	Save

Minor Extesions

- Vector Sums

```
q    10    1    q.ttl          # Example vector.
```

```
f    qsum = @csum( q, 1-10 )
```

now is equivalent to

```
f    qsum = @csum(q)
```

- Extensions in Vector Arithmetic

```
vc GdpFixed = gdp{1986} #Copy a single year
```

```
vc pq = pq / pq{1986}    #Change base year
```

Example 1

Flow Control – Conditional Execution.

- If – Then – Else
- Evaluates script, add file arguments, loop index, ...
- Currently, does not evaluate databank content

Useful for

- Simplifying code by reducing repetition
- Add operations on certain iterations of a do loop
- Specify behaviour of add file based on the number of passed arguments

Example 2

Reading and Writing with Excel.

- Read time series, vectors, and matrices from Excel
- Take data from Excel file to macro or Vam bank in one step
- Limited ability to write data to Excel files

Useful for

- Simplifying task of data collection
- Can be used to report data
- Other uses are possible, as are many extensions