
AIMMS Function Reference - File Suffices

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File Suffices

AIMMS files support the following three collections of suffices.

File suffix group 1: the suffices that apply to the entire file.

- .Ap
- .blankzeros
- .case
- .PageNumber
- .PageMode
- .PageSize
- .PageWidth

File suffix group 2: the suffices that control page layout.

- .TopMargin
- .LeftMargin
- .BottomMargin
- .BodyCurrentColumn
- .BodyCurrentRow
- .BodySize
- .FooterCurrentColumn
- .FooterCurrentRow
- .FooterSize
- .HeaderCurrentColumn
- .HeaderCurrentRow
- .HeaderSize

File suffix group 3: the suffices that control the formatting of individual elements.

- .lj
- .lw
- .nd
- .nj
- .nr
- .nw
- .nz
- .sj
- .sw

- .tf
- .tj
- .tw

.Ap**Definition:**

The .Ap suffix controls the append mode of the file.

Datatype:

The value of the .Ap suffix is an integer in the range {0,1} and the default is 0. The interpretation of the possible values is:

- 0 Overwrite
- 1 Append

Remarks:

- The file attribute *mode* should be used instead.

.blank zeros**Definition:**

The `.blank_zeros` suffix controls whether or not numbers (almost) equal to 0.0 should be printed as blanks or as 0.0's according to the current format.

Datatype:

The value of the `.blank_zeros` suffix is an integer in the range {0..2} and the default is 0. The possible values are:

- 0 Do not print numbers equal or within AIMMS tolerances equal to 0.0 as blanks.
- 1 Print numbers equal or within AIMMS tolerances equal to 0.0 as blanks.
- 2 Print numbers after formatting equal to 0.0 as blanks.

.case**Definition:**

The `.case` suffix controls whether or not the output is translated to upper case.

Datatype:

The value of the `.case` suffix is an integer in the range $\{1,2\}$ and the default is 0. The interpretation of the possible values is:

- 0 Leave the output in mixed case.
- 1 Translate the output to upper case.

.PageNumber**Definition:**

The file suffix `.PageNumber` contains the number of the current page.

Datatype:

The value of the `.PageNumber` suffix is numeric.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.lp`.
- See also Section [29.4](#) of the Language Reference.

.PageMode**Definition:**

The file suffix `.PageMode` controls the formatting style of the page.

Datatype:

The value of the `.PageMode` suffix is an element in the predeclared set `OnOff` and the default is `Off`. The interpretation of the possible values is:

`On` Structure output in pages
`Off` Do not structure output in pages.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.pc` but this value is numeric.
- See also Section [29.4](#) of the Language Reference.

.PageSize

Definition:

The file suffix `.PageSize` controls the maximum number of lines on a page including header, body and footer.

Datatype:

The value of the `.PageSize` suffix is an integer in the range {3..200}.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.ps`.
- See also Section [29.4](#) of the Language Reference.

.PageWidth

Definition:

The file suffix `.PageWidth` controls the maximum number of characters per line. When specified it overrides the option `listing_page_width`.

Datatype:

The value of the `.PageWidth` suffix is an integer in the range `{30..32767}`.

Remarks:

- The suffix `.PageWidth` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The equivalent GAMS and AIMMS 2 name is `.pw`.
- See also Section [29.4](#) of the Language Reference.

.TopMargin

Definition:

The file suffix `.TopMargin` controls the top margin in number of lines.

Datatype:

The value of the `.TopMargin` suffix is an integer in the range `{0..option listing.size}` and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name up to AIMMS 3.3 is `.tm`.
- See also Section [29.4](#) of the Language Reference.

.LeftMargin**Definition:**

The `.LeftMargin` is the left margin in number of characters.

Datatype:

The value of the `.LeftMargin` suffix is an integer in the range `{0..option listing_page_width}` and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name up to AIMMS 3.3 is `.lm`.
- See also Section [29.4](#) of the Language Reference.

.BottomMargin**Definition:**

The `.BottomMargin` is the bottom margin in number of lines.

Datatype:

The value of the `.BottomMargin` suffix is an integer in the range `{0..option listing.size}` and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name up to AIMMS 3.3 is `.bm`.
- See also Section [29.4](#) of the Language Reference.

.BodyCurrentColumn**Definition:**

The .BodyCurrentColumn contains the current column position in the file.

Datatype:

The value of the .BodyCurrentColumn suffix is an integer in the range {0..option listing_page_width} and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name is .cc.
- See also Section [29.4](#) of the Language Reference.

.BodyCurrentRow**Definition:**

The `.BodyCurrentRow` contains the current line number of the current page.

Datatype:

The value of the `.BodyCurrentRow` suffix is an integer in the range `{0..option listing.size}` and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.cr`.
- See also Section [29.4](#) of the Language Reference.

.BodySize**Definition:**

The .BodySize contains the number of lines on the current page.

Datatype:

The value of the .BodySize suffix is an integer in the range {0..option listing_size} and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is .ll.
- See also Section [29.4](#) of the Language Reference.

.FooterCurrentColumn**Definition:**

The `.FooterCurrentColumn` contains the current column position in the page footer.

Datatype:

The value of the `.FooterCurrentColumn` suffix is an integer in the range `{0..option listing_page_width}` and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.ftcc`.
- See also Section [29.4](#) of the Language Reference.

.FooterCurrentRow**Definition:**

The `.FooterCurrentRow` contains the current line number of the footer of the current page.

Datatype:

The value of the `.FooterCurrentRow` suffix is an integer in the range `{0..option listing_size}` and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.ftcr`.
- See also Section [29.4](#) of the Language Reference.

.FooterSize**Definition:**

The `.FooterSize` contains the number of lines in the footer of the page.

Datatype:

The value of the `.FooterSize` suffix is an integer in the range `{0..option listing.size}` and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.ft11`.
- See also Section [29.4](#) of the Language Reference.

.HeaderCurrentColumn**Definition:**

The `.HeaderCurrentColumn` contains the current column position in the header of the page.

Datatype:

The value of the `.HeaderCurrentColumn` suffix is an integer in the range `{0..option listing_page_width}` and the default is 0.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.hdcc`.
- See also Section [29.4](#) of the Language Reference.

.HeaderCurrentRow**Definition:**

The `.HeaderCurrentRow` contains the current row number in the header of the page.

Datatype:

The value of the `.HeaderCurrentRow` suffix is an integer in the range `{0..option listing_size}` and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.hdr`.
- See also Section [29.4](#) of the Language Reference.

.HeaderSize

Definition:

The `.HeaderSize` contains the number of lines in the header of the page.

Datatype:

The value of the `.HeaderSize` suffix is an integer in the range `{0..option listing.size}` and the default is 1.

Remarks:

- The equivalent GAMS and AIMMS 2 name is `.hd11`.
- See also Section [29.4](#) of the Language Reference.

.lj**Definition:**

The .lj suffix controls the element justification. When specified it overrides the option `put_element_justification`.

Datatype:

The value of the .lj suffix is integer in the range {1..3} and the default is -1. The possible values are:

- 1 Right
- 2 Left
- 3 Center

Remarks:

- The suffix .lj is initialized to -1. AIMMS considers it specified when its value is not equal to -1.
- The suffix .lj is a legacy from GAMS and AIMMS 2.

.lw**Definition:**

The `.lw` suffix controls the element field width. When specified it overrides the option `put_element_width`.

Datatype:

The value of the `.lw` suffix is an integer in the range `{0..option_listing_page_width}` and the default is `-1`.

Remarks:

- The suffix `.lw` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The suffix `.lw` is a legacy from GAMS and AIMMS 2.

.nd**Definition:**

The `.nd` suffix controls the number of decimals displayed. When specified it overrides the option `put_number_decimals`.

Datatype:

The value of the `.nd` suffix is an integer in the range `{0..option_listing_page_width}` and the default is `-1`.

Remarks:

- The suffix `.nd` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The suffix `.nd` is a legacy from GAMS and AIMMS 2.

.nj**Definition:**

The .nj suffix controls numeric justification. When specified it overrides the option `put_number_justification`.

Datatype:

The value of the .nj suffix is integer in the range {1..3} and the default is -1. The possible values are:

- 1 Right
- 2 Left
- 3 Center

Remarks:

- The suffix .nj is initialized to -1. AIMMS considers it specified when its value is not equal to -1.
- The suffix .nj is a legacy from GAMS and AIMMS 2.

.nr**Definition:**

The `.nr` suffix controls the numeric formatting method. When specified it overrides the option `put_number_style`.

Datatype:

The value of the `.nr` suffix is an integer in the range `{0..2}` and the default is `-1`. The possible values are:

- 0 Fit field or e format.
- 1 fit field width
- 2 Always e format

Remarks:

- The suffix `.nj` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The suffix `.nj` is a legacy from GAMS and AIMMS 2.

.nw**Definition:**

The `.nw` suffix controls numeric field width. When specified it overrides the option `put_number_width`.

Datatype:

The value of the `.nw` suffix is an integer in the range `{0..option_listing_page_width}` and the default is `-1`.

Remarks:

- The suffix `.nw` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The suffix `.nw` is a legacy from GAMS and AIMMS 2.

.nz**Definition:**

The `.nz` suffix controls the nonzero tolerance. When specified it overrides the option `put_number_tolerance`.

Datatype:

The value of the `.nz` suffix is a floating point number in the range `[0,1]` and the default is `-1.0`.

Remarks:

- The suffix `.nz` is initialized to `-1.0`. AIMMS considers it specified when its value is not equal to `-1.0`.
- The suffix `.nz` is a legacy from GAMS and AIMMS 2.

.sj**Definition:**

The `.sj` suffix controls the justification of the texts associated with elements in a *GAMS* model. In an AIMMS model a string parameter is used instead of associating texts with elements. When specified it overrides the option `put_string_justification`.

Datatype:

The value of the `.sj` suffix is integer in the range $\{1..3\}$ and the default is `-1`. The possible values are:

- 1 Right
- 2 Left
- 3 Center

Remarks:

- The suffix `.sj` is initialized to `-1`. AIMMS considers it specified when its value is not equal to `-1`.
- The suffix `.sj` is a legacy from GAMS and AIMMS 2.

.sw**Definition:**

The `.sw` suffix controls the field width of the texts associated with elements in a *GAMS* model. In an *AIMMS* model a string parameter is used instead of associating texts with elements. A value of 0 implies variable length. When specified it overrides the option `put_string_width`.

Datatype:

The value of the `.sw` suffix is an integer in the range `{0..option_listing_page_width}` and the default is -1.

Remarks:

- The suffix `.sw` is initialized to -1. *AIMMS* considers it specified when its value is not equal to -1.
- The suffix `.sw` is a legacy from *GAMS* and *AIMMS 2*.

.tf**Definition:**

The `.tf` suffix controls the text fill mode when putting the text associated with identifiers. There is no option associated with this suffix.

Datatype:

The value of the `.tf` suffix is an integer in the range `{0..2}` and the default is 2. The possible values are:

- 0 No fill.
- 1 Fill existing only.
- 2 Fill always.

Remarks:

- The suffix `.tf` is a legacy from GAMS and AIMMS 2.

.tj**Definition:**

The .tj suffix controls the justification when putting the text associated with identifiers. When specified it overrides the option `put.string_justification`.

Datatype:

The value of the .tj suffix is integer in the range {1..3} and the default is -1. The possible values are:

- 1 Right
- 2 Left
- 3 Center

Remarks:

- The suffix .tj is initialized to -1. AIMMS considers it specified when its value is not equal to -1.
- The suffix .tj is a legacy from GAMS and AIMMS 2.

.tw**Definition:**

The `.tw` suffix controls field width when putting the text associated with identifiers. When specified it overrides the option `put_string_width`.

Datatype:

The value of the `.tw` suffix is an integer in the range `{0..option_listing_page_width}` and the default is `-1`.

Remarks:

- The suffix `.tw` is initialized to `-1`. When its value is not equal to `-1` AIMMS considers it specified.
- The suffix `.tw` is a legacy from GAMS and AIMMS 2.