

Proposal for Loops manual contents.

This ordering is based on the Interlisp Reference manual. Numbers in *////*s indicate the corresponding parts in the (new) IRM. Other comments are enclosed in *{}*'s. I envision a manual in a single binder, with large tabs marking the IRM volume separation, and smaller tabs for each chapter.

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DELAASSOC

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LoopsDebugFlg

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global cache hit rate of 97.5% in our tests

#### IV Lookup caches

local cache

global cache hit rate of 98% in our tests

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#### Reading and Printing *[[25]]*

The # read macro character

How Classes print

`#.( $\square$  className) and the function  $\square$`

`Class.FileOut`

`#.( $\square$ C className) and the function  $\square$ C`

How Instances print

`Object.PrintOn`

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Extensions to `?=`

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#### Loops windows *[[28]]*

The default menu available on Loops windows is compatible with Lisp. It even includes a "Hardcopy" item that works correctly with `LatticeBrowsers`.

Methods `Window.SetRegion` and `Window.SetOuterRegion`

Interaction with `ATTACHEDWINDOWS`

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#### Virtual Copies

## Gauges

*[[Release Notes]]*

### Installation

**Variables** `LOOPSDIRECTORY`, `OptionalLispuserFiles`, **and** `LoadLoopsForms`.

**Maybe even** `LOOPUSERSDIRECTORIES`?

**The function** `LOADLOOPS`

**The file** `LOOPSSITE`

**Just load the file** `LOOPS`

**Initial screen setup**

### Customer Support

### Differences from old Loops

**KnowledgeBases no longer a part of Loops**

**Functions** `ReadLeafObj`, `AllGlobalNames`, `RememberName`, **and** `GlobalName` **no longer exist**

**Variables** `WritingSummaryFlg`, `WritingLayerFlg`, `LeafInstanceFlg`, `FirstEnvFlg`, `OpenKBFiles`, `DefaultKBName`, `CurrentEnvironment`, `CurrentNameTable`, **and** `CurrentUIDTable` **no longer exist**

**Macro** `Modified` **no longer exists**

**Rules no longer a part of Loops**

**Rules are not distributed.** If they are needed, they can be loaded by first recompiling them and then loading the file `LOOPSRULES-ROOT`. This replaces a few functions and methods in the standard system and then load the rules files.

**Code cleaned up**

**Variables** `VarNameIndexes`, `PrintStatusWindow`, **and** `TTY` **no longer exist**

**Functions** `DC`, `DE`, `UE`, `EM`, `EI`, `EC`, **and** `FILE` **no longer exist**

**Macro** `@@` **no longer exists.** Change `(@@ foo)` to `(@ ::foo)`, or even `(@ foo)`

**Usermacros** `PU`, `UE`, **and** `EU` **no longer exist**

**The argument that controls updating in the window methods**

`SetOuterRegion`, `SetRegion`, `Shape`, **and** `Shape1` **have all been changed to** `noUpdateFlg`. They used to be a mixture of `updateFlg` **and** `dontUpdateFlg`.

**The interpretation of the** `left`, `bottom`, `width`, **and** `height` **IVs in the class** `Window` **is now the same as Lisp windows:** `left` **and** `bottom` **refer to the lower left corner of the outside of the window,** `width` **and** `height` **refer to the outside dimensions of the window (including title).**

**The file** `LoopsMixin` **has been deleted.** The classes `DatedObject`,

`IndirectObj`, `Node`, `Perspective`, `NamedObject`, `GlobalNamedObject`, `TextItem`, `VarLength`, `StrucMeta`, `ListMetaClass`, `TempClass`, **and** `Template` **no longer exist.**

Old messages `List` and `List!` are now called `ListAttribute` and `ListAttribute!`. This change was required for future migration to `CommonLoops`. The old methods for `List` and `List!` are still available in the `LOOPSBACKWARDS` file.

The functions `DebugLoops`, `LOOPSDIR`, `i/d`, and `TESTLOOPS` have been removed from the system.

The functions `CheckDestroyedObjects` and `RemoveClassDef` have been removed from the system.

## I/O

Support for reading in old style read macro (like `$(localState getFn putFn)` or `#mMumble`) is available in the file `LOOPSBACKWARDS`.

UIDs are no longer strings. They are CONSES of session-id's and uid numbers.

## Active Values

Most of the old functions for active values have been moved to `LOOPSBACKWARDS`. The functions `GetLocalState`, `PutLocalState`, `GetLocalStateOnly`, `PutLocalStateOnly`, `ReplaceActiveValue`, `MakeActiveValue`, and `DefAVP` are still around, and seem to work. The exception is `MakeActiveValue` — it now always `EMBEDS`.

Functions `GetActiveValueGetFn`, `GetActiveValuePutFn`, `GetActiveValueLocalState`, `PtcieauGtn`, `alveGetFn`, etc no longer exist. Replacements are available in the file `LOOPSBACKWARDS`.

`NotSetValue` is no longer ?—it is now an active value. This may require changes to any code that directly referred to ?.

## Virtual Copies

The messages `MakeCopy99`, `MakeCopyActiveValue99`, `MakeCopyList99`, and `MakeCopyObject99` in `VirtualCopies` have been renamed `\Internal/MakeCopy`, `\Internal/MakeCopyActiveValue`, etc

Method properties no longer exist

Function `PushNewValue` no longer defined. Instead, use `CHANGETRAN`.

Can't load new Loops files into old Loops.

## Conversion of old Loops code to new Loops

Old code will need to be recompiled.

File `LOOPSBACKWARDS`

Function `ConvertLoopsFiles`

## Future Directions