

The heading and the footer are generated automatically and crushed during the recovery of the document since the documentary application, it useless of is thus modified.

The three following lines will disappear, it is thus useless to add them.

**Data-processing handbook of Description**  
**D8.01 Booklet: Presentation of documentation**  
**Document: D8.01.02**

## Style sheet Code\_Aster for Open Summarized

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### Office:

This document is the model of document to be used for the drafting of new documentation. It contains the styles according to:

- the automatic classification of the titles;
- lists with chips or numbered;
- the classification (identification) of the objects Appears, Table, Equations;
- the use of the references (references) to the numbered objects.

A certain number of police and of styles are envisaged. It is advisable not to add others of them. The not allowed styles will be removed during the submission of the document in the base.

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the title (not numbered) Contents are made with the Tdm Style.

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## 1 Police

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the current police is the police **Arial** 10 Pt (recommended by Microsoft like organizes inter punt forms).

Other authorized police:

- **Courier** (for the text says data-processing),
- **Symbol** or **OpenSymbol** (Greek characters).

The stations under Windows have this police. The stations under Linux do not have this police natively. Either one does nothing and Open Office uses the most suitable police, or one installs the police by installing the package `msttcorefonts`.

## 2 Normal style

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For the current paragraphs. As a native supported on the left. The choice of the balances (by default to the step of 0,7 cm) is responsibility for the author). The following paragraph is shifted 2 times on the right using the functionality right Shrinkage.

For the current paragraphs. As a native supported on the left. The choice of the balances (by default to the step of 0,7 cm) is responsibility for the author). The following paragraph is shifted 2 times on the right using the functionality right Shrinkage.

## 3 Levels of titles

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Four levels authorized with automatic classification of type 1.1.1.1

### 3.1 This is a title of level 2

#### 3.1.1 This is a title of level 3

##### 3.1.1.1 This is a title of level 4

## 4 Lists

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One lays out by default of two kinds of lists. List with chips • by default, and numbered list 1), 2). The styles **ListeP** and **ListeN** are used to make these types of lists automatically. It is compulsory to use them to strike the lists.

The lists numbered are to be used when one wishes to make, in the text of the document, reference to one item precise of the list. If not it is no beneficial to use of a numbered list. The list with chip is enough.

### 4.1 Lists with chips

What follows is a list with chips obtained by applying the **ListeP style** to an enumeration with the **Normal style** (as a native this style bearing paragraphs on the left):

- finite elements,
- catalogs,
- commands,
  - AFFE\_CHAR\_MECA
  - IMPR\_STURM
  - POST\_RELEVE\_T

under list with chip is with indent (it is to be made by the author starting from modified **the ListeP style**)

### 4.2 Numbered lists

to obtain the following numbered list one proceeds in the same way but with the **ListeN style**.

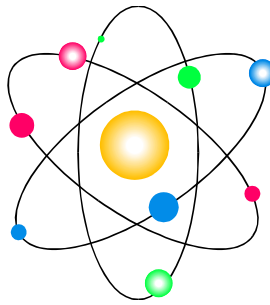
- 1) finite elements;
- 2) catalogs;
- 3) commands.

## 5 Legends of the objects

the object carries as identification the number of the level of title which contains it followed by the row of the object in this level of title (separating indent). The row is numerical for the tables and equations, alphabetical for the figures.

One carries out the automation of the labelling of the objects by employing the functionality **Insertion Captions**. Objects and legends take the style automatically **Captions**.

### 5.1 Figures



Appears 5.1-aa: Hooked atom

### 5.2 Tables

Key				Commands
DEFI_INTERF_DYNA	INTERFACES	TYPE	"CB_HARMO"	[U4.55.03]
DEFI_INTERF_DYNA	FREQ			[U4.55.03]
MACR_ELEM_DYNA	OPTION		"CLASSIQUE"	[U4.55.05]
MACR_ELEM_DYNA	MATR_AMOR			[U4.55.05]
ASSE_MATR_GENE	OPTION		AMOR_GENE	[U4.55.08]
ASSE_VECT_GENE	NUME_DDL_GENE			[U4.55.09]
ASSE_VECT_GENE	CHAR_SOUS_STRUC	SOUS_STRUC		[U4.55.09]
ASSE_VECT_GENE	CHAR_SOUS_STRUC	VECT_ASSE		[U4.55.09]

Table 5.2-11

To note in the head the paragraphs with 2 points before and afterwards. Fine feature of edges recommended.

### 5.3 Equations

$$\int_{\Omega} \alpha \operatorname{div}(\mathbf{q}) d\Omega + \int_{\Omega} \operatorname{grad}(\alpha) \cdot \mathbf{q} d\Omega + \int_{\Gamma} \alpha (\mathbf{q} \cdot \mathbf{n}) d\Gamma \quad \text{éq 5.3-11}$$

## 6 References and references

---

One returns to the titles **objects**, **figures**, **tables** or even with an anchor in the text.

**Example of reference** : one will refer to [Appears 5.1-a], with [Table 5.2-1], with [§5.1], the equation [éq 5.3-1] and [bib3]

## 7 the Syntax of the commands of the Code: style Verbatim

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debut

```
( ◇ PAR_LOT = "OUI"
[DEFAULT]
/ "NON"
◇ BASE = ( ◇ FICHER = "TOTAL"
/ "VOLATILE"
/ "LOCAL"
/ | LONG_ENRE = lenr [ I ]
| NMAX_ENRE = nenr [ I ]
)
);
```

## 8 Bibliography

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- [1] P.G. CIARLET, "The finite element method for elliptic problems", Studies in Applied Mathematics, North Holland, 1978.
- [2] R. DAUTRAY, J.L. LIONS, "Analyzes mathematical and numerical computation for sciences and the technology", Volume 2, Masson, 1985.
- [3] G. DHATT, G. TOUZOT, "a presentation of the finite element method", Maloine S.A., Paris, 1984.

## 9 Appendices

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See [§ Annexe 1] at the end of the document the classification of the appendices. One authorizes three levels of title of appendices.

## 10 The Contents are obtained automatically

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Established automatically thanks to the function **Arrays Insertion and index**. One must place it before the first title of level 1. The title **Contents** is of style **Tdm**, it is not numbered.

## Annexe 1 This is a title of appendix

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### A1.3 Condition of orthogonalization

to format TitreAnnexe2: one writes classification for example A1.3 then one writes a tabulation, then the text of the title. One selects the paragraph and one applies the TitreAnnexe2 style to him.

#### A1.3.1 Continuation of Sturm type

to format TitreAnnexe3: one writes classification for example A1.3.1 then one writes a tabulation, then the text of the title. One selects the paragraph and one applies the TitreAnnexe3 style to him.