

## Références externes publiées

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### Résumé :

Ce document constitue un inventaire évolutif des références externes publiées valorisant code\_aster sur des applications représentatives de dossiers industriels. Celles-ci sont regroupées par **fonctionnalités**.

Il reprend la même classification que le document [R0,00,01].

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## 1 Algorithmes et méthodologies

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### 1.1 Analyse modale

### 1.2 Analyse dynamique transitoire

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### 1.5 Sous-structuration dynamique

### 1.6 Extrapolation de mesures expérimentales

### 1.7 Interaction sol-structure

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## 1.9 Recalage

## 1.10 Méthodes probabilistes

## 1.11 Conditions aux limites et de liaisons

## 1.12 Mécanique non linéaire

## 1.13 Solveurs algébriques

## 1.14 Fatigue

## 1.15 Thermo-hydro-mécanique couplée

## 1.16 Contact et frottement

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## 1.19 Thermique

## 1.20 Interaction fluide-structure

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## 1.22 Estimateurs d'erreur

## 1.23 Outil-métiers



## 2 Lois de comportement

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### 2.1 Éléments discrets et de poutres

### 2.2 Thermo-élasticité

### 2.3 Élastoplasticité incrémentale

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### 2.4 Élastoviscoplasticité sous irradiation

### 2.5 Comportement des métaux polycristallins

### 2.6 Géo-matériaux et milieux poreux

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### 2.7 Comportement des bétons

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### 2.8 Comportement du béton armé

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## 2.9 Comportement des armatures dans les structures en béton armé

### 2.10 Endommagement

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### 2.12 Visco-élasticité

### 2.13 Élastoviscoplasticité des métaux

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## **3 Éléments finis**

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### **3.2 Éléments de structure**

### **3.3 Éléments finis incompressibles**

### **3.4 Éléments de joints, d'interface et de discontinuités**