

U0: General

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U2.04.04-A	Modeling of the contact	[04/11/03]	<input type="checkbox"/>
U2.04.05-A	Note of use of model THM	[06/07/04]	<input type="checkbox"/>
U2.04.06-A	How to dig a tunnel: methodology of excavation	[11/06/04]	<input type="checkbox"/>
U2.05.01-A	Applicability of the operators of breaking process of <i>Code_Aster</i> and councils of use	[03/04/03]	<input type="checkbox"/>
U2.06.03-B	Note of modeling of the mechanical cushioning	[08/11/02]	<input type="checkbox"/>
U2.06.07-B	Interaction ground-structure (ISS) in seismic analysis with the <i>Code_Aster</i> interface - PROMISS3D	[09/06/04]	<input type="checkbox"/>
U2.07.01-A	Note of use of FOURIER modeling	[07/05/04]	<input type="checkbox"/>
U2.07.02-B	Note of use of the static under-structuring	[29/09/05]	<input type="checkbox"/>
U2.08.01-A	Use of the indicators of error and associated strategies of adaptation of grids	[17/10/03]	<input type="checkbox"/>
U2.08.02-A	Note of use of calculations of sensitivity	[13/05/03]	<input type="checkbox"/>
U2.08.04-A	Note of calculation to buckling	[20/12/02]	<input type="checkbox"/>
U2.08.05-B1	Digital simulation of Monte Carlo	[17/06/04]	<input type="checkbox"/>
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U2.09.03-B1	Note of use of the calculation and the postprocessing of a mechanical study according to the RCCM	[22/02/06]	<input type="checkbox"/>
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U3.02.01-B	Interface file of grid GMSH with Aster	[07/06/05]	<input type="checkbox"/>
U3.03.01-F	Interface file of grid IDEAS with Aster	[26/05/05]	<input type="checkbox"/>
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U3.11.01-E	Modelings POU_D_T, POU_D_E, POU_C_T, BARS	[01/06/05]	<input type="checkbox"/>
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U3.11.04-F	Modelings POU_D_TG, POU_D_TGM	[17/06/05]	<input type="checkbox"/>
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U3.11.06-C	Modelings TUYAU_3M and TUYAU_6M	[01/06/05]	<input type="checkbox"/>
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U3.12.01-D	Modelings DKT - DST - Q4G	[01/06/05]	<input type="checkbox"/>
U3.12.02-D	Modelings COQUE_C_PLAN, COQUE_D_PLAN, COQUE_AXIS	[03/06/05]	<input type="checkbox"/>
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U3.12.04-B2	Modeling ROASTS and GRILLE_MEMBRANE	[14/09/04]	<input type="checkbox"/>
U3.12.05-A	Modeling SHB8	[01/06/05]	<input type="checkbox"/>
U3.13.01-D	Modelings AXIS, D_PLAN, C_PLAN	[01/06/05]	<input type="checkbox"/>
U3.13.02-F	Mechanical modeling AXIS_FOURIER	[01/06/05]	<input type="checkbox"/>
U3.13.03-D	Modelings 2D_FLUIDE, 2D_FLUI_STRU, AXIS_FLUIDE, AXIS_FLUI_STRU	[01/06/05]	<input type="checkbox"/>
U3.13.05-C	Modelings AXIS_SI, D_PLAN_SI, C_PLAN_SI	[01/06/05]	<input type="checkbox"/>
U3.13.06-A	Modelings D_PLAN_GRAD_EPSI, C_PLAN_GRAD_EPSI	[27/06/03]	<input type="checkbox"/>
U3.13.07-D	Modelings AXIS_INCO, D_PLAN_INCO	[01/06/05]	<input type="checkbox"/>
U3.13.08-C1	Modelings D_PLAN_HM, D_PLAN_HHM, D_PLAN_THM, D_PLAN_THH, D_PLAN_THHM, AXIS_HM, AXIS_HHM, AXIS_THM, AXIS_THH, AXIS_THHM	[04/11/02]	<input type="checkbox"/>
U3.13.09-C	Modelings 2D_DIS_T and 2D_DIS_TR	[03/06/05]	<input type="checkbox"/>
U3.13.12-C	Modeling D_PLAN_ABSO	[01/06/05]	<input type="checkbox"/>

U3.13.13-C	Modeling 2D_FLUI_ABSO	[03/06/05]	<input type="checkbox"/>
U3.13.14-C	Modelings PLAN_JOINT, AXIS_JOINT, PLAN_ELDI, and AXIS_ELDI	[15/02/06]	<input type="checkbox"/>
U3.14.01-E	Modelings mechanical 3D and 3D_SI	[01/06/05]	<input type="checkbox"/>
U3.14.02-E	Modelings 3D_FLUIDE, FLUI_STRU, 2D_FLUI_PESA	[01/06/05]	<input type="checkbox"/>
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U3.14.09-C	Modeling 3D_ABSO	[01/06/05]	<input type="checkbox"/>
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U3.14.11-A	Modeling 3D_GRAD_EPSI	[27/06/03]	<input type="checkbox"/>
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U3.23.02-E	Thermal modeling AXIS_FOURIER	[01/06/05]	<input type="checkbox"/>
U3.24.01-E	Thermal modelings 3D and 3D_DIAG	[01/06/05]	<input type="checkbox"/>
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U4.02.01-H	Procedure HELPS	[27/01/05]	<input type="checkbox"/>
U4.03.01-E	Titrate and subtitles of a produced concept	[31/01/05]	<input type="checkbox"/>
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U4.12.03-B1	Procedure DEFI_FICHER	[31/01/06]	<input type="checkbox"/>
U4.13.01-G	Procedure INCLUDE	[10/01/05]	<input type="checkbox"/>
U4.13.04-A	Operator INFO_EXEC_ASTER	[19/01/05]	<input type="checkbox"/>
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U4.22.01-H1	Operator DEFI_GROUP	[31/01/06]	<input type="checkbox"/>
U4.23.01-G	Operator DEFI_MAILLAGE	[31/01/05]	<input type="checkbox"/>
U4.23.02-F1	Operator CREA_MAILLAGE	[31/01/06]	<input type="checkbox"/>
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U4.31.06-B	Operator DEFI_PARA_SENSI	[08/02/05]	<input type="checkbox"/>
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U4.33.02-B1	Operator CREA_TABLE	[22/02/06]	<input type="checkbox"/>
U4.33.03-A1	Procedure CALC_TABLE	[31/01/06]	<input type="checkbox"/>
U4.34.01-H	Operator DEFI_LIST_REEL	[20/12/04]	<input type="checkbox"/>
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U4.42.04-C	Macro-order DEFI_CABLE_BP	[01/02/05]	<input type="checkbox"/>
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U4.43.06-A	Operator DEFI_COMPOR	[19/01/05]	<input type="checkbox"/>
U4.44.01-I1	Operator AFFE_CHAR_MECA and AFFE_CHAR_MECA_F	[22/02/06]	<input type="checkbox"/>
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U4.44.14-A	Macro-order MACR_ECLA_PG	[01/02/05]	<input type="checkbox"/>
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U4.52.14-G	Operator MODE_STATIQUE	[01/02/05]	<input type="checkbox"/>
U4.53.01-H1	Operator DYNA_NON_LINE	[22/02/06]	<input type="checkbox"/>
U4.53.02-H	Operator DYNA_LINE_TRAN	[08/02/05]	<input type="checkbox"/>
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U4.53.23-E	Operator DYNA_SPEC_MODAL	[27/01/05]	<input type="checkbox"/>
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U4.55.03-G	Operator FACT_GRAD	[31/01/05]	<input type="checkbox"/>
U4.55.04-G	Operator RESO_GRAD	[15/02/05]	<input type="checkbox"/>
U4.61.01-H	Operator CALC_MATR_ELEM	[09/02/05]	<input type="checkbox"/>
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U4.61.03-H1	Operator CALC_CHAR_CINE	[31/01/06]	<input type="checkbox"/>
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U4.61.21-E	Macro-order MACRO_MATR_ASSE	[31/01/05]	<input type="checkbox"/>
U4.61.22-H	Operator ASSE_MATRICE	[27/01/05]	<input type="checkbox"/>
U4.61.23-H	Operator ASSE_VECTEUR	[19/01/05]	<input type="checkbox"/>
U4.62.01-G	Operator MACR_ELEM_STAT	[31/01/05]	<input type="checkbox"/>
U4.62.02-G	Operator DEPL_INTERNE	[03/02/05]	<input type="checkbox"/>
U4.63.01-G	Operator CALC_CHAR_SEISME	[08/02/05]	<input type="checkbox"/>
U4.63.11-E	Macro-order MACRO_PROJ_BASE	[08/02/05]	<input type="checkbox"/>

U4.63.12-G	Operator PROJ_MATR_BASE	[21/01/05]	<input type="checkbox"/>
U4.63.13-G	Operator PROJ_VECT_BASE	[21/01/05]	<input type="checkbox"/>
U4.63.14-E	Operator PROJ_SPEC_BASE	[27/01/05]	<input type="checkbox"/>
U4.63.21-G	Operator REST_BASE_PHYS	[08/02/05]	<input type="checkbox"/>
U4.63.22-E	Operator REST_SPEC_PHYS	[27/01/05]	<input type="checkbox"/>
U4.64.01-G	Operator DEFI_INTERF_DYNA	[10/02/05]	<input type="checkbox"/>
U4.64.02-H1	Operator DEFI_BASE_MODAL	[31/01/06]	<input type="checkbox"/>
U4.65.01-F	Operator MACR_ELEM_DYNA	[10/02/05]	<input type="checkbox"/>
U4.65.02-F	Operator DEFI_MODELE_GENE	[31/01/05]	<input type="checkbox"/>
U4.65.03-F	Operator NUME_DDL_GENE	[27/01/05]	<input type="checkbox"/>
U4.65.04-F	Operator ASSE_MATR_GENE	[10/02/05]	<input type="checkbox"/>
U4.65.05-F	Operator ASSE_VECT_GENE	[10/02/05]	<input type="checkbox"/>
U4.66.01-E	Operator CALC_MATR_AJOU	[19/01/05]	<input type="checkbox"/>
U4.66.02-G1	Operator CALC_FLUI_STRU	[31/01/06]	<input type="checkbox"/>
U4.66.03-B	Operator CALC_FORC_AJOU	[19/01/05]	<input type="checkbox"/>
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U4.66.21-E	Operator MODI_BASE_MODAL	[19/01/05]	<input type="checkbox"/>
U4.71.00-E	Selection of one or more fields in a Structure of Data RESULT	[27/01/05]	<input type="checkbox"/>
U4.71.02-C	Operator RECU_TABLE	[08/03/05]	<input type="checkbox"/>
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U4.72.05-F1	Operator PROJ_CHAMP	[31/01/06]	<input type="checkbox"/>
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U4.74.01-C1	Operator MODI_REPERE	[22/02/06]	<input type="checkbox"/>
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U4.81.11-G	Operator INTE_MAIL_2D	[18/01/05]	<input type="checkbox"/>
U4.81.12-G	Operator INTE_MAIL_3D	[18/01/05]	<input type="checkbox"/>
U4.81.13-C2	Operator MACR_LIGN_COUPE	[31/01/06]	<input type="checkbox"/>
U4.81.21-G1	Operator POST_RELEVE_T	[22/02/06]	<input type="checkbox"/>
U4.81.22-G1	Operator POST_ELEM	[22/02/06]	<input type="checkbox"/>
U4.81.31-C1	Tool for interactive postprocessing STANLEY	[22/02/06]	<input type="checkbox"/>
U4.82.01-H1	Operator DEFI_FOND_FISS	[31/01/06]	<input type="checkbox"/>
U4.82.02-F	Operator CALC_THETA	[27/01/05]	<input type="checkbox"/>
U4.82.03-H1	Operator CALC_G_THETA_T	[31/01/06]	<input type="checkbox"/>
U4.82.04-H1	Operator CALC_G_LOCAL_T	[31/01/06]	<input type="checkbox"/>
U4.82.05-D1	Operator POST_K1_K2_K3	[31/01/06]	<input type="checkbox"/>
U4.82.06-C	Operator RECA_WEIBULL	[25/01/05]	<input type="checkbox"/>
U4.82.07-B	Operator POST_K_BETA	[08/02/05]	<input type="checkbox"/>
U4.82.22-A1	Operator POST_CHAM_XFEM	[02/03/06]	<input type="checkbox"/>
U4.83.01-F1	Operator POST_FATIGUE	[31/01/06]	<input type="checkbox"/>
U4.83.02-F1	Operator CALC_FATIGUE	[31/01/06]	<input type="checkbox"/>
U4.83.11-F1	Operator POST_RCCM	[22/02/06]	<input type="checkbox"/>
U4.83.21-D	Operator POST_ZAC	[31/01/05]	<input type="checkbox"/>

U4.83.31-E	Operator COMB_FOURIER	[04/01/05]	<input type="checkbox"/>
U4.84.01-F	Operator COMB_SISM_MODAL	[08/02/05]	<input type="checkbox"/>
U4.84.02-F	Operator POST_DYNA_MODAL_T	[27/01/05]	<input type="checkbox"/>
U4.84.03-E	Operator POST_FATI_ALEA	[04/02/05]	<input type="checkbox"/>
U4.84.04-F	Operator POST_DYNA_ALEA	[08/02/05]	<input type="checkbox"/>
U4.84.05-F	Operator POST_USURE	[19/05/05]	<input type="checkbox"/>
U4.85.01-D1	Operator CALC_META	[31/01/06]	<input type="checkbox"/>
U4.91.01-H	Procedure IMPR_RESU with the formats “RESULT” and “ASTER”	[18/02/05]	<input type="checkbox"/>
U4.91.02-F1	Procedure IMPR_GENE	[22/02/06]	<input type="checkbox"/>
U4.91.03-E	Procedure IMPR_TABLE	[15/02/05]	<input type="checkbox"/>
U4.91.11-H	Procedure IMPR_CO	[03/01/05]	<input type="checkbox"/>
U4.91.21-H	Procedure IMPR_JEVEUX	[04/01/05]	<input type="checkbox"/>
U4.92.01-I1	Procedure TEST_RESU	[31/01/06]	<input type="checkbox"/>
U4.92.02-H1	Procedure TEST_FONCTION	[22/02/06]	<input type="checkbox"/>
U4.92.03-E1	Procedure TEST_TABLE	[22/02/06]	<input type="checkbox"/>
U4.92.04-A	Procedure TEST_FICHER	[12/01/05]	<input type="checkbox"/>
U4.CF.10-D1	Macro order MACR_ASCOUF_MAIL	[31/01/06]	<input type="checkbox"/>
U4.MK.10-G	Operator DEFI_FONC_ELEC	[09/02/05]	<input type="checkbox"/>
U4.MK.20-F	Operator DEFI_THER_JOULE	[03/02/05]	<input type="checkbox"/>
U4.MK.30-F	Operator DIST_LIGN_3D	[09/02/05]	<input type="checkbox"/>
U4.PC.10-D1	Macro order MACR_ASPIC_MAIL	[31/01/06]	<input type="checkbox"/>
U4.PC.20-D1	Maco orders MACR_ASPIC_CALC	[31/01/06]	<input type="checkbox"/>

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U5: Structure of data of the result type

U5.01.00-D	Structure of data result	[27/06/03]	<input type="checkbox"/>
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U5.01.01-C	Accessible fields in the Structures of data of the result type	[27/06/03]	<input type="checkbox"/>
U5.01.11-D	Structure of data evol_elas	[26/06/03]	<input type="checkbox"/>
U5.01.12-D	Structure of data evol_noli	[01/12/03]	<input type="checkbox"/>
U5.01.13-D	Structure of data mode_stat	[08/07/03]	<input type="checkbox"/>
U5.01.14-B	Structure of data mult_elas	[24/11/00]	<input type="checkbox"/>
U5.01.15-B	Structure of data fourier_elas	[24/11/00]	<input type="checkbox"/>
U5.01.16-B	Structure of data comb_fourier	[24/11/00]	<input type="checkbox"/>
U5.01.17-B	Structure of data evol_char	[30/11/00]	<input type="checkbox"/>
U5.01.21-D	Structure of data dyna_trans	[07/08/03]	<input type="checkbox"/>
U5.01.22-D	Structure of data dyna_harmo	[24/06/03]	<input type="checkbox"/>
U5.01.23-D	Structure of data mode_meca and mode_meca_C	[24/06/03]	<input type="checkbox"/>
U5.01.24-D	Structure of data base_modale	[26/05/03]	<input type="checkbox"/>
U5.01.25-C	Structure of data mode_gene	[26/05/03]	<input type="checkbox"/>
U5.01.26-C	Structure of data harm_gene	[26/05/03]	<input type="checkbox"/>
U5.01.27-C	Structure of data acou_harmo	[24/06/03]	<input type="checkbox"/>
U5.01.28-C	Structure of data mode_acou	[24/06/03]	<input type="checkbox"/>
U5.01.29-B	Structure of data mode_flamb	[26/05/03]	<input type="checkbox"/>
U5.01.31-C	Structure of data evol_ther	[11/07/03]	<input type="checkbox"/>
U5.02.00-B	Presentation of the tables	[27/06/03]	<input type="checkbox"/>

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U6: Access to *Code_Aster*

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U7: Exchanges with other software

U7.00.01-C	Operator EXEC_LOGICIEL	[19/01/05]	<input type="checkbox"/>
U7.01.01-H	Procedure PRE_IDEAS	[31/01/05]	<input type="checkbox"/>

U7.01.11-H	Procedure PRE_GIBI	[08/02/05]	<input type="checkbox"/>
U7.01.21-C	Operator LIRE_MAILLAGE with format “MED”	[15/02/05]	<input type="checkbox"/>
U7.01.31-B	Procedure PRE_GMSH	[10/02/05]	<input type="checkbox"/>
U7.02.01-F1	Operator LIRE_RESU	[31/01/06]	<input type="checkbox"/>
U7.02.02-D1	Operator LIRE_CHAMP	[22/02/06]	<input type="checkbox"/>
U7.02.03-B	Operator LIRE_TABLE	[07/01/05]	<input type="checkbox"/>
U7.02.11-C	Operator LIRE_PLEXUS	[19/01/05]	<input type="checkbox"/>
U7.02.31-E	Operator LIRE_MISS_3D	[01/02/05]	<input type="checkbox"/>
U7.02.32-A1	Operator LIRE_IMPE_MISS	[31/01/06]	<input type="checkbox"/>
U7.02.33-A1	Operator LIRE_FORC_MISS	[31/01/06]	<input type="checkbox"/>
U7.03.01-D1	Macro-order MACR_ADAP_MAIL	[31/01/06]	<input type="checkbox"/>
U7.03.02-D1	Macro-order MACR_INFO_MAIL	[31/01/06]	<input type="checkbox"/>
U7.03.03-A	Methods Python of piloting of GMSH	[04/01/05]	<input type="checkbox"/>
U7.03.11-C	Macro order MACRO_MISS_3D	[01/02/05]	<input type="checkbox"/>
U7.04.01-D1	Procedure IMPR_FICO_HOMA	[31/01/06]	<input type="checkbox"/>
U7.04.11-E	Procedure IMPR_MISS_3D	[08/02/05]	<input type="checkbox"/>
U7.04.21-C	Procedure IMPR_CLASSI	[01/02/05]	<input type="checkbox"/>
U7.04.32-F1	Procedure IMPR_MATRICE	[31/01/06]	<input type="checkbox"/>
U7.04.33-E	Procedure IMPR_MACR_ELEM	[31/01/05]	<input type="checkbox"/>
U7.05.01-H	Procedure IMPR_RESU with format “IDEAS”	[05/04/05]	<input type="checkbox"/>
U7.05.11-J1	Procedure IMPR_RESU with format “CASTEM”	[22/02/06]	<input type="checkbox"/>
U7.05.21-D1	Procedure IMPR_RESU with format “MED”	[22/02/06]	<input type="checkbox"/>
U7.05.31-H	Procedure IMPR_RESU with the format “Ensign”	[10/02/05]	<input type="checkbox"/>
U7.05.32-C1	Procedure IMPR_RESU with format “GMSH”	[22/02/06]	<input type="checkbox"/>

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U9: Examples of use

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