# Tomawac Reference Manual

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# Contents

1	Detail list of keywords	9
1.1	1D SPECTRA RESULTS FILE	9
1.2	2D RESULTS FILE	9
1.3	2D RESULTS FILE FORMAT	10
1.4	ABSCISSAE OF SPECTRUM PRINTOUT POINTS	10
1.5	AIR DENSITY	10
1.6	BAJ MODELING	10
1.7	BINARY CURRENTS FILE	11
1.8	BINARY CURRENTS FILE FORMAT	11
1.9	BINARY DATA FILE 1 FORMAT	11
1.10	BINARY FILE 1	12
1.11	BINARY TIDAL WATER FILE FORMAT	12
1.12	BINARY TIDAL WATER LEVEL FILE	12
1.13	BINARY WINDS FILE	12
1.14	BINARY WINDS FILE FORMAT	13
1.15	BOTTOM FRICTION COEFFICIENT	13
1.16	BOTTOM FRICTION DISSIPATION	13
1.17	BOTTOM SMOOTHINGS	13
1.18	BOTTOM TOPOGRAPHY FILE	14
1.19	BOUNDARY ANGULAR DISTRIBUTION FUNCTION	14
1.20	BOUNDARY CONDITIONS FILE	14
1.21	BOUNDARY DIRECTIONAL SPREAD 1	14
1.22	BOUNDARY DIRECTIONAL SPREAD 2	15
1.23	BOUNDARY MAIN DIRECTION 1	15
1.24	BOUNDARY MAIN DIRECTION 2	15
1.25	BOUNDARY MAXIMUM PEAK FREQUENCY	15

1.26	BOUNDARY MEAN FETCH VALUE	16
1.27	BOUNDARY PEAK FACTOR	16
1.28	BOUNDARY PEAK FREQUENCY	16
1.29	BOUNDARY PHILLIPS CONSTANT	16
1.30	BOUNDARY SIGNIFICANT WAVE HEIGHT	17
1.31	BOUNDARY SPECTRUM VALUE OF SIGMA-A	17
1.32	BOUNDARY SPECTRUM VALUE OF SIGMA-B	17
1.33	BOUNDARY WEIGHTING FACTOR FOR ADF	17
1.34	CHARNOCK CONSTANT	18
1.35	CHECKING THE MESH	18
1.36	COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING	18
1.37	CONSIDERATION OF A STATIONARY CURRENT	18
1.38	CONSIDERATION OF A WIND	19
1.39	CONSIDERATION OF PROPAGATION	19
1.40	CONSIDERATION OF SOURCE TERMS	19
1.41	CONSIDERATION OF TIDE	19
1.42	CURRENTS FILE FORMAT	20
1.43	DATE OF COMPUTATION BEGINNING	20
1.44	DEBUGGER	20
1.45	DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY	21
1.46	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA	21
1.47	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1	22
1.48	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2	22
1.49	DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD	22
1.50	DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD	23
1.51	DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY	23
1.52	DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B	24
1.53	DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA	24
1.54	DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION	24
1.55	DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY	25
1.56	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA	25
1.57	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA	26
1.58	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2	26
1.59	DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION	26
1.60	DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION	27
1.61	DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY	27

1.62	DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETAO	28
1.63	DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR	28
1.64	DEPTH-INDUCED BREAKING DISSIPATION	28
1.65	DICTIONARY	29
1.66	DIFFRACTION	29
1.67	DIFFRACTION FILTER	30
1.68	DISSIPATION BY STRONG CURRENT	30
1.69	DISSIPATION COEFFICIENT FOR STRONG CURRENT	30
1.70	FILE WITH COORDINATES OF SPECTRA TO IMPOSE	31
1.71	FILE WITH COORDINATES OF SPECTRA TO WRITE	31
1.72	FINITE ELEMENT ASSEMBLY	31
1.73	FORMATTED CURRENTS FILE	31
1.74	FORMATTED FILE 1	32
1.75	FORMATTED TIDAL WATER LEVEL FILE	32
1.76	FORMATTED WINDS FILE	32
1.77	FORTRAN FILE	32
1.78	FREQUENTIAL RATIO	33
1.79	GEOMETRY FILE	33
1.80	GEOMETRY FILE FORMAT	33
1.81	GLOBAL RESULT FILE	33
1.82	GLOBAL RESULT FILE FORMAT	34
1.83	IMPLICITATION COEFFICIENT FOR SOURCE TERMS	34
1.84	IMPOSED SPECTRA FILE	34
1.85	IMPOSED SPECTRA FILE FORMAT	35
1.86	INFINITE DEPTH	35
1.87	INITIAL ANGULAR DISTRIBUTION FUNCTION	35
1.88	INITIAL DIRECTIONAL SPREAD 1	36
1.89	INITIAL DIRECTIONAL SPREAD 2	36
1.90	INITIAL MAIN DIRECTION 1	36
1.91	INITIAL MAIN DIRECTION 2	36
1.92	INITIAL MAXIMUM PEAK FREQUENCY	37
1.93	INITIAL MEAN FETCH VALUE	37
1.94	INITIAL PEAK FACTOR	37
1.95	INITIAL PEAK FREQUENCY	37
1.96	INITIAL PHILLIPS CONSTANT	38
1.97	INITIAL SIGNIFICANT WAVE HEIGHT	38

1.98	INITIAL STILL WATER LEVEL	38
1.99	INITIAL TIME SET TO ZERO	38
1.100	INITIAL VALUE OF SIGMA-A FOR SPECTRUM	38
1.101	INITIAL VALUE OF SIGMA-B FOR SPECTRUM	39
1.102	INITIAL WEIGHTING FACTOR FOR ADF	39
1.103	LIMIT SPECTRUM MODIFIED BY USER	39
1.104	LINEAR WAVE GROWTH	40
1.105	LIST OF FILES	40
1.106	MAXIMUM VALUE OF THE RATIO HM0 ON D	40
1.107	MINIMAL FREQUENCY	41
1.108	MINIMUM WATER DEPTH	41
1.109	NAMES OF VARIABLES	41
1.110	NEXT COMPUTATION	42
1.111	NON-LINEAR TRANSFERS BETWEEN FREQUENCIES	42
1.112	NUMBER OF BREAKING TIME STEPS	42
1.113	NUMBER OF DIRECTIONS	43
1.114	NUMBER OF FIRST ITERATION FOR GRAPHICS PRINTOUTS	43
1.115	NUMBER OF FREQUENCIES	43
1.116	NUMBER OF ITERATIONS FOR THE SOURCE TERMS	43
1.117	NUMBER OF PRIVATE ARRAYS	44
1.118	NUMBER OF TIME STEP	44
1.119	OPTION FOR DIAGNOSTIC TAIL	44
1.120	OPTION FOR SECOND DERIVATIVES	45
1.121	ORDINATES OF SPECTRUM PRINTOUT POINTS	45
1.122	ORIGIN COORDINATES	45
1.123	PARALLEL PROCESSORS	45
1.124	PARTITIONING TOOL	45
1.125	PERIOD FOR GRAPHIC PRINTOUTS	46
1.126	PERIOD FOR LISTING PRINTOUTS	46
1.127	PREVIOUS COMPUTATION FILE	46
1.128	PREVIOUS COMPUTATION FILE FORMAT	47
1.129	PUNCTUAL RESULTS FILE	47
1.130	RANK OF THE WATER LEVEL DATA IN THE TELEMAC FILE	47
1.131	RECOVERY OF TELEMAC DATA ITEM	47
1.132	REFERENCE FILE	48
1.133	REFERENCE FILE FORMAT	48

1.134	RELEASE	48
1.135	SATURATION THRESHOLD FOR THE DISSIPATION	49
1.136	SETTING FOR INTEGRATION ON OMEGAT	49
1.137	SETTING FOR INTEGRATION ON OMEGA2	49
1.138	SETTING FOR INTEGRATION ON THETA 1	49
1.139	SHIFT GROWING CURVE DUE TO WIND	50
1.140	SPECTRUM ENERGY THRESHOLD	50
1.141	SPECTRUM FILE FORMAT	50
1.142	SPECTRUM TAIL FACTOR	50
1.143	SPHERICAL COORDINATES	51
1.144	STANDARD CONFIGURATION PARAMETER	51
1.145	STARTING TIME STEP FOR DIFFFRACTION	51
1.146	STATIONARY WIND	51
1.147	STEERING FILE	52
1.148	TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES	52
1.149	THRESHOLDO FOR CONFIGURATIONS ELIMINATION	52
1.150	THRESHOLD1 FOR CONFIGURATIONS ELIMINATION	52
1.151	THRESHOLD2 FOR CONFIGURATIONS ELIMINATION	53
1.152	TIDAL WATER LEVEL FILE FORMAT	53
1.153	TIDE REFRESHING PERIOD	53
1.154	TIME INCREMENT NUMBER IN TELEMAC FILE	54
1.155	TIME SHIFT IN CURRENTS FILE	54
1.156	TIME SHIFT IN TIDAL WATER LEVEL FILE	54
1.157	TIME SHIFT IN WINDS FILE	54
1.158	TIME SHIFT OF IMPOSED SPECTRA FILE	54
1.159	TIME STEP	55
1.160	TIME UNIT IN CURRENTS FILE	55
1.161	TIME UNIT IN TIDAL WATER LEVEL FILE	55
1.162	TIME UNIT IN WINDS FILE	55
1.163	TIME UNIT OF IMPOSED SPECTRA FILE	56
1.164	TITLE	56
1.165	TRIAD INTERACTIONS	56
1.166	TRIADS 1 (LTA) COEFFICIENT ALPHA	56
1.167	TRIADS 1 (LTA) COEFFICIENT RFMLTA	57
1.168	TRIADS 2 (SPB) COEFFICIENT K	57
1.169	TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY	57

1.170	TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY	58
1.171	TRIGONOMETRICAL CONVENTION	58
1.172	TYPE OF BOUNDARY DIRECTIONAL SPECTRUM	58
1.173	TYPE OF INITIAL DIRECTIONAL SPECTRUM	59
1.174	VALIDATION	59
1.175	VARIABLES FOR 2D GRAPHIC PRINTOUTS	59
1.176	VARIANCE THRESHOLD FOR DIFFRACTION	61
1.177	VECTOR LENGTH	61
1.178	VEGETATION TAKEN INTO ACCOUNT	61
1.179	VON KARMAN CONSTANT	61
1.180	WATER DENSITY	62
1.181	WAVE GROWTH LIMITER	62
1.182	WESTHUYSEN DISSIPATION COEFFICIENT	62
1.183	WESTHUYSEN WEIGHTING COEFFICIENT	63
1.184	WESTHUYSEN WHITE CAPPING DISSIPATION	63
1.185	WHITE CAPPING DISSIPATION	63
1.186	WHITE CAPPING DISSIPATION COEFFICIENT	64
1.187	WHITE CAPPING WEIGHTING COEFFICIENT	64
1.188	WIND DRAG COEFFICIENT	64
1.189	WIND GENERATION	65
1.190	WIND GENERATION COEFFICIENT	65
1.191	WIND MEASUREMENTS LEVEL	65
1.192	WIND VELOCITY ALONG X	66
1.193	WIND VELOCITY ALONG Y	66
1.194	WINDS FILE FORMAT	66
1.195	YAN GENERATION COEFFICIENT D	67
1.196	YAN GENERATION COEFFICIENT E	67
1.197	YAN GENERATION COEFFICIENT F	67
1.198	YAN GENERATION COEFFICIENT H	68
2	List of keywords classified according to type	69
2.1	BOUNDARY CONDITIONS	69
2.2	COMPUTATION ENVIRONMENT	69
2.2.1 2.2.2	INPUTOUTPUT	

2.3	GENERAL PARAMETERS	71
2.3.1 2.3.2 2.3.3 2.3.4 2.3.5	METEO MISCELLANEOUS OTHER DOMAIN DEFINITIONS SPECTRAL DISCRETISATION TIME	71 71 72
2.4	INITIAL CONDITIONS	72
2.5	INTERNAL	72
2.6	SOURCE TERMS	72
2.6.1 2.6.2 2.6.3 2.6.4 2.6.5 2.6.6 2.6.7 2.6.8 2.6.9 2.6.10	BOTTOM FRICTION BREAKING LIMITER NUMERICAL PARAMETERS QUADRUPLET INTERACTIONS STRONG CURRENT TRIAD TRANSFERS VEGETATION WHITE CAPPING WIND	73 73 73 74 74 74 74
2.7	TRANSPORT	75
2.7.1	DIFFRACTION PARAMETERS	75
3	glossary	76
3.1	english/french glossary	76
3.2	French/English glossary	83
	Bibliography	90

## 1. Detail list of keywords

### 1.1 1D SPECTRA RESULTS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACSPE)

DEFAULT VALUE: '

French keyword: FICHIER DES RESULTATS SPECTRES 1D

Name of the file into which the frequential punctual spectra (integrated according to the directions) will be written.

### Related keywords

PUNCTUAL RESULTS FILE

ABSCISSAE OF SPECTRUM PRINTOUT POINTS ORDINATES OF SPECTRUM PRINTOUT POINTS

PERIOD FOR GRAPHIC PRINTOUTS

NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS

### 1.2 2D RESULTS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACRES)

DEFAULT VALUE: '

French keyword: FICHIER DES RESULTATS 2D

Name of the file into which the results of the two-dimensional computation will be written.

### Related keywords

VARIABLES FOR 2D GRAPHIC PRINTOUTS

PERIOD FOR GRAPHIC PRINTOUTS

NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS

### 1.3 2D RESULTS FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACRES)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DES RESULTATS 2D

Geometry file format. Possible values are:

• SERAFIN: classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

### 1.4 ABSCISSAE OF SPECTRUM PRINTOUT POINTS

Type: Real
Dimension: 2
Mnemo XLEO

DEFAULT VALUE: MANDATORY

French keyword: ABSCISSES DES POINTS DE SORTIE DU SPECTRE

Array providing the abscissae of the Seraphin spectrum printout points with a maximum dimension of 99. The chosen spectrum points are the closest 2D points to the specified co-ordinates.

Related keywords

ORDINATES OF SPECTRUM PRINTOUT POINTS

PUNCTUAL RESULTS FILE

### 1.5 AIR DENSITY

Type: Real
Dimension: 1
Mnemo ROAIR
DEFAULT VALUE: 1.225

French keyword: DENSITE DE L'AIR

The ratio ROAIR/ROEAU is used in the wind generation source term.

Related keywords

WIND GENERATION WATER DENSITY

### 1.6 BAJ MODELING

Type: Integer
Dimension: 0
Mnemo CBAJ
DEFAULT VALUE: 0

French keyword: MODELISATION BAJ

Choice of the calculus of centrale frequency if its value is 0, classical choice if its value is 1,

BAJ choice proposed by Laugel (2013).

Related keywords

### CONSIDERATION OF SOURCE TERMS

### 1.7 BINARY CURRENTS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACCOB)

DEFAULT VALUE: '

French keyword: FICHIER DES COURANTS BINAIRE

Name of the current data file (if binary).

Related keywords

CONSIDERATION OF A STATIONARY CURRENT

CONSIDERATION OF TIDE FORMATTED CURRENTS FILE CURRENTS FILE FORMAT

### 1.8 BINARY CURRENTS FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACCOB)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DES COURANTS BINAIRE

Currents binary file format. Possible values are:

- SERAFIN : classical single precision format in Telemac;
- SERAFIND: classical double precision format in Telemac;
- MED: MED format based on HDF5

### 1.9 BINARY DATA FILE 1 FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACBI1)

DEFAULT VALUE:

French keyword: FORMAT DU FICHIER DE DONNEES BINAIRE 1

binary data file format. Possible values are:

- SERAFIN : classical single precision format in Telemac;
- SERAFIND: classical double precision format in Telemac;
- MED: MED format based on HDF5

### 1.10 BINARY FILE 1

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACBI1)

DEFAULT VALUE: '

French keyword: FICHIER BINAIRE 1 Binary-coded data file made available to the user.

### 1.11 BINARY TIDAL WATER FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACMAB)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DE LA MAREE BINAIRE

binary tidal water file format. Possible values are:

• SERAFIN : classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

### 1.12 BINARY TIDAL WATER LEVEL FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACMAB)

DEFAULT VALUE:

French keyword: FICHIER DU NIVEAU DE LA MAREE BINAIRE

Name of the water level data file (if binary).

### Related keywords

CONSIDERATION OF TIDE

FORMATTED TIDAL WATER LEVEL FILE TIDAL WATER LEVEL FILE FORMAT

TIDE REFRESHING PERIOD

### 1.13 BINARY WINDS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACVEB)

DEFAULT VALUE:

French keyword: FICHIER DES VENTS BINAIRE

Name of wind data file (if binary).

### Related keywords

CONSIDERATION OF WIND FORMATTED WINDS FILE WINDS FILE FORMAT

### 1.14 BINARY WINDS FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACVEB)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DES VENTS BINAIRE

wind data binary file format. Possible values are:

• SERAFIN: classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

### 1.15 BOTTOM FRICTION COEFFICIENT

Type: Real Dimension: 1

Mnemo CFROT1 DEFAULT VALUE: 0.038

French keyword: COEFFICIENT DE FROTTEMENT SUR LE FOND

Bottom friction coefficient.

Related keywords

INFINITE DEPTH

BOTTOM FRICTION-INDUCED DISSIPATION

### 1.16 BOTTOM FRICTION DISSIPATION

Type: Integer
Dimension: 0
Mnemo SFROT
DEFAULT VALUE: 0

French keyword: DISSIPATION PAR FROTTEMENT SUR LE FOND

Selection of the modelling type of the bottom friction source term. If its value is 0, the bottom friction dissipation is ignored; if its value is 1, it is integrated in accordance with a formula that is similar to that of WAM cycle 4.

Related keywords

INFINITE DEPTH

BOTTOM FRICTION COEFFICIENT

### 1.17 BOTTOM SMOOTHINGS

Type: Integer
Dimension: 1

Mnemo LISFON

DEFAULT VALUE: 0

French keyword: LISSAGES DU FOND

Number of smoothings made on bottom features. Each smoothing, being made by means of a mass matrix, is conservative. To be used when the bathymetric data yield too irregular data after interpolation. Also refer to the CORFON subroutine.

### 1.18 BOTTOM TOPOGRAPHY FILE

Type: String Dimension: 0

Mnemo Variable WAC FILES(WACFON)

DEFAULT VALUE: '

French keyword: FICHIER DES FONDS

Name of any file containing the bathymetric data associated to the SINUSX-formatted grid. It this keyword is used, these bathymetric data shall be used for the computation.

### 1.19 BOUNDARY ANGULAR DISTRIBUTION FUNCTION

Type: Integer
Dimension: 0
Mnemo FRABL

DEFAULT VALUE: 1

French keyword: FONCTION DE REPARTITION ANGULAIRE AUX LIMITES Is part of the set of constants used for computing the boundary directional spectrum. Allow the computation of the angular distribution function

- 1 :  $cos^{2s}(T-T0)$  ; with T in [T0-pi/2;T0+pi/2]
- 2:  $exp(-0.5((T-T0)/s)^2)$ ; with T in [T0-pi/2;T0+pi/2]
- $3 : cos^{2s}((T-T0)/2)$  (of type Mitsuyasu)

where s is the boundary directionnal spread (SPRE1L or SPRE2L)

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.20 BOUNDARY CONDITIONS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACCLI)

DEFAULT VALUE:

French keyword: FICHIER DES CONDITIONS AUX LIMITES

Name of the file containing the types of boundary conditions. This file is automatically filled by the grid generator by means of colours that are assigned to the boundary nodes in the computational domain.

### 1.21 BOUNDARY DIRECTIONAL SPREAD 1

Type: Real Dimension: 1

Mnemo Variable SPRE1L

DEFAULT VALUE: 2.

French keyword: ETALEMENT DIRECTIONNEL 1 AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

### 1.22 BOUNDARY DIRECTIONAL SPREAD 2

Type: Real Dimension: 1

Mnemo Variable SPRE2L

DEFAULT VALUE: 2.

French keyword: ETALEMENT DIRECTIONNEL 2 AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.23 BOUNDARY MAIN DIRECTION 1

Type: Real Dimension: 1

Mnemo Variable TETA1L

DEFAULT VALUE: 0.

French keyword: DIRECTION PRINCIPALE 1 AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.24 BOUNDARY MAIN DIRECTION 2

Type: Real Dimension: 1

Mnemo Variable TETA2L

DEFAULT VALUE: 0.

French keyword: DIRECTION PRINCIPALE 2 AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.25 BOUNDARY MAXIMUM PEAK FREQUENCY

Type: Real Dimension: 1

Mnemo Variable FPMAXL

DEFAULT VALUE: 0.2

French keyword: FREQUENCE DE PIC MAXIMALE AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

### 1.26 BOUNDARY MEAN FETCH VALUE

Type: Real Dimension: 1

Mnemo Variable FETCHL

DEFAULT VALUE: 30000.

French keyword: VALEUR MOYENNE DU FETCH AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.27 BOUNDARY PEAK FACTOR

Type: Real Dimension: 1

Mnemo Variable GAMMAL

DEFAULT VALUE: 3.3

French keyword: FACTEUR DE PIC AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.28 BOUNDARY PEAK FREQUENCY

Type: Real Dimension: 1

Mnemo Variable FPICL

DEFAULT VALUE: 0.067

French keyword: FREQUENCE DE PIC AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.29 BOUNDARY PHILLIPS CONSTANT

Type: Real Dimension: 1

Mnemo Variable APHILL

DEFAULT VALUE: 0.018

French keyword: CONSTANTE DE PHILLIPS AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

### 1.30 BOUNDARY SIGNIFICANT WAVE HEIGHT

Type: Real Dimension: 1

Mnemo Variable HM0L

DEFAULT VALUE: 1.

French keyword: HAUTEUR SIGNIFICATIVE AUX LIMITES

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.31 BOUNDARY SPECTRUM VALUE OF SIGMA-A

Type: Real Dimension: 1

Mnemo Variable SIGMAL

DEFAULT VALUE: 0.07

French keyword: VALEUR AUX LIMITES DE SIGMA-A POUR SPECTRE Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.32 BOUNDARY SPECTRUM VALUE OF SIGMA-B

Type: Real Dimension: 1

Mnemo Variable SIGMBL

DEFAULT VALUE: 0.09

French keyword: VALEUR AUX LIMITES DE SIGMA-B POUR SPECTRE Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

### 1.33 BOUNDARY WEIGHTING FACTOR FOR ADF

Type: Real Dimension: 1

Mnemo Variable XLAMDL

DEFAULT VALUE: 1.

French keyword: FACTEUR DE PONDERATION POUR FRA AUX LIMITES Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

### 1.34 CHARNOCK CONSTANT

Type: Real
Dimension: 1
Mnemo ALPHA

DEFAULT VALUE: 0.01

French keyword: CONSTANTE DE CHARNOCK

Constant used in the wind source term.

Related keywords

WIND GENERATION

### 1.35 CHECKING THE MESH

Type: Logical

Dimension: 1

Mnemo CHECK\_MESH

DEFAULT VALUE: NO

French keyword: VERIFICATION DU MAILLAGE

if this key word is equal to yes, a call to subroutine checkmesh will look for errors in the mesh, superimposed points, etc.

### 1.36 COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING

Type: Real Dimension: 1

Mnemo Variable XDTBRK

DEFAULT VALUE: 1.45

French keyword: COEFFICIENT POUR LES SOUS-PAS DE TEMPS POUR LE DEFERLEMENT

Geometrical ratio of the time sub-increments for the depth-induced breaking

Related keywords

DEPTH-INDUCED BREAKING DISSIPATION NUMBER OF BREAKING TIME STEPS

### 1.37 CONSIDERATION OF A STATIONARY CURRENT

Type: Logical

Dimension: 1

Mnemo COUSTA DEFAULT VALUE: .FALSE.

French keyword: PRISE EN COMPTE D'UN COURANT STATIONNAIRE Indicates whether a stationary current is taken into account, either in a file or in condiw.f.

Related keywords

**CURRENTS FILE** 

### 1.38 CONSIDERATION OF A WIND

Type: Logical

Dimension: 1

Mnemo Variable VENT

DEFAULT VALUE: .FALSE.

French keyword: PRISE EN COMPTE DU VENT

Indicates whether a wind is taken into account, either in a file or in venuti.f

Related keywords

WINDS FILE

### 1.39 CONSIDERATION OF PROPAGATION

Type: Logical

Dimension: 0

Mnemo Variable PROP

DEFAULT VALUE: .TRUE.

French keyword: PRISE EN COMPTE DE LA PROPAGATION

Indicates whether propagation is taken into account.

### 1.40 CONSIDERATION OF SOURCE TERMS

Type: Logical

Dimension: 1

Mnemo Variable TSOU

DEFAULT VALUE: .TRUE.

French keyword: PRISE EN COMPTE DES TERMES SOURCES

Indicates whether the source terms are taken into account or not.

Related keywords

WIND GENERATION

**BOTTOM FRICTION DISSIPATION** 

WHITE CAPPING DISSIPATION

DEPTH-INDUCED BREAKING DISSIPATION

WAVE BLOCKING DISSIPATION

NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

TRIAD INTERACTION

### 1.41 CONSIDERATION OF TIDE

Type: Logical

Dimension: 1

Mnemo Variable MAREE

DEFAULT VALUE: .FALSE.

French keyword: PRISE EN COMPTE DE LA MAREE

Indicates whether a current is taken into account, either in a file or in cdicow.f.

### Related keywords

FORMATTED TIDAL WATER LEVEL FILE BINARY TIDAL WATER LEVEL FILE TIDAL WATER LEVEL FILE FORMAT TIDE REFRESHING PERIOD

### 1.42 CURRENTS FILE FORMAT

Type: Integer
Dimension: 0
Mnemo INDIC
DEFAULT VALUE: 3

French keyword: FORMAT DU FICHIER DES COURANTS

Selection of the type of currents file format:

- 3 = selafin, TELEMAC type
- 4 = user format (the countify procedure should then be amended)

### Related keywords

CURRENTS BINARY FILE CURRENTS FORMATTED FILE

### 1.43 DATE OF COMPUTATION BEGINNING

Type: Real
Dimension: 1
Mnemo DDC
DEFAULT VALUE: 0

French keyword: DATE DE DEBUT DU CALCUL

Gives the date of the computation beginning. The format is yyyymmddhhmm, as an exemple 199310241524 means the 24 october 93 at 15h24. This date gives a reference for reading the wind file.

### Related keywords

BINARY WIND FILE FORMATTED WIND FILE WIND FILE FORMAT

### 1.44 DEBUGGER

Type: Integer Dimension: 1

Mnemo DEBUG

DEFAULT VALUE: 0

French keyword: DEBUGGER

If 1, calls of subroutines will be printed in the listing

### 1.45 DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY

Type: Integer
Dimension: 0
Mnemo IFRBJ
DEFAULT VALUE: 2

French keyword: DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE

Selection of the characteristic frequency of the wave spectrum

- 1 : Frequency Fmoy
- 2 : Frequency F01 (defined by the moments of order 0 and 1 of the spectrum)
- 3 : Frequency F02 (defined by the moments of order 0 and 2 of the spectrum)
- 4 : Frequency Fpic (sampling frequency corresponding to the max)
- 5 : Frequency Fread ordre 5 (peak frequency, 5th order Read method)
- 6 : Frequency Fread ordre 8 (peak frequency, 8th order Read method)

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD

DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2

### 1.46 DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA

Type: Real Dimension: 1

Mnemo ALFABJ

DEFAULT VALUE: 1.

French keyword: DEFERLEMENT 1 (BJ) CONSTANTE ALPHA

ALPHA constant for the Battjes and Janssen model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB

DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM

DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE

DEFERLEMENT 1 (BJ) CONSTANTE GAMMA1

DEFERLEMENT 1 (BJ) CONSTANTE GAMMA2

### 1.47 DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1

Type: Real Dimension: 1

Mnemo GAMBJ1 DEFAULT VALUE: 0.88

French keyword: DEFERLEMENT 1 (BJ) CONSTANTE GAMMA1

GAMMA1 constant of the Battjes and Janssen model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM

DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE

DEFERLEMENT 1 (BJ) CONSTANTE ALPHA DEFERLEMENT 1 (BJ) CONSTANTE GAMMA2

### 1.48 DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2

Type: Real Dimension: 1

Mnemo GAMBJ2

DEFAULT VALUE: 0.8

French keyword: DEFERLEMENT 1 (BJ) CONSTANTE GAMMA2 GAMMA1 constant of the Battjes and Janssen model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB

DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM

DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE

DEFERLEMENT 1 (BJ) CONSTANTE ALPHA DEFERLEMENT 1 (BJ) CONSTANTE GAMMA1

### 1.49 DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD

Type: Integer
Dimension: 0
Mnemo IHMBJ
DEFAULT VALUE: 1

French keyword: DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM

Selection of the depth-induced breaking criterium giving the breaking wave height (1 : Hm =

GAMMA\*D; 2: Hm given the Miche criterium).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2

### 1.50 DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD

Type: Integer
Dimension: 0
Mnemo IQBBJ
DEFAULT VALUE: 2

French keyword: DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB

Selection of the method for the resolution of the implicit equation for QB.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD

DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2

### 1.51 DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY

Type: Integer
Dimension: 0
Mnemo IFRTG
DEFAULT VALUE: 5

French keyword: DEFERLEMENT 2 (TG) CHOIX FREQUENCE CARACTERISTIQUE

Selection of the characteristic frequency of the wave spectrum

- 1 : Frequency Fmoy
- 2 : Frequency F01 (defined by the moments of order 0 and 1 of the spectrum)
- 3 : Frequency F02 (defined by the moments of order 0 and 2 of the spectrum)
- 4 : Frequency Fpic (sampling frequency corresponding to the max)
- 5 : Frequency Fread ordre 5 (peak frequency, 5th order Read method)
- 6 : Frequency Fread ordre 8 (peak frequency, 8th order Read method)

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION DEPTH-INDUCED BREAKING 2 (TG) CO-EFFICIENT B DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

### 1.52 DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B

Type: Real Dimension: 1

Mnemo Variable BORETG

DEFAULT VALUE: 1.0

French keyword: DEFERLEMENT 2 (TG) CONSTANTE B

Coefficient B of the Thornton and Guza model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

### 1.53 DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

Type: Real Dimension: 1

Mnemo Variable GAMATG

DEFAULT VALUE: 0.42

French keyword: DEFERLEMENT 2 (TG) CONSTANTE GAMMA

Coefficient GAMMA of the Thornton and Guza model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B

### 1.54 DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION

Type: Integer
Dimension: 0
Mnemo IWHTG

DEFAULT VALUE: 2

French keyword: DEFERLEMENT 2 (TG) FONCTION DE PONDERATION Selection of the expression for the weighting function based on a probability distribution of the wave heights.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

### 1.55 DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

Type: Integer
Dimension: 0
Mnemo IFRRO
DEFAULT VALUE: 5

French keyword: DEFERLEMENT 3 (RO) CHOIX FREQUENCE CARACTERISTIQUE

Selection of the characteristic frequency of the wave spectrum

- 1 : Frequency Fmoy
- 2 : Frequency F01 (defined by the moments of order 0 and 1 of the spectrum)
- 3 : Frequency F02 (defined by the moments of order 0 and 2 of the spectrum)
- 4 : Frequency Fpic (sampling frequency corresponding to the max)
- 5 : Frequency Fread ordre 5 (peak frequency, 5th order Read method)
- 6 : Frequency Fread ordre 8 (peak frequency, 8th order Read method)

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

### 1.56 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

Type: Real Dimension: 1

Mnemo Variable ALFARO

DEFAULT VALUE: 1.

French keyword: DEFERLEMENT 3 (RO) CONSTANTE ALPHA

Coefficient ALPHA of the Roelvink model (1993).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

### 1.57 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

Type: Real Dimension: 1

Mnemo Variable GAMARO

DEFAULT VALUE: 0.54

French keyword: DEFERLEMENT 3 (RO) CONSTANTE GAMMA

Coefficient GAMMA of the Roelvink model (1993).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

### 1.58 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

Type: Real Dimension: 1

Mnemo Variable GAM2RO

DEFAULT VALUE: 0.65

French keyword: DEFERLEMENT 3 (RO) CONSTANTE GAMMA2

Coefficient GAMMA2 of the Roelvink model (1993).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

### 1.59 DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

Type: Integer Dimension: 1

Mnemo IEXPRO

DEFAULT VALUE: 10

French keyword: DEFERLEMENT 3 (RO) EXPOSANT FONCTION DE PONDERATION

n exponent of the weighting function used in the Roelvink breaking model.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

### 1.60 DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

Type: Integer
Dimension: 0
Mnemo IDISRO

DEFAULT VALUE: 1

French keyword: DEFERLEMENT 3 (RO) DISTRIBUTION DES HAUTEURS DE HOULE

Selection of the wave height distribution for the Roelvink breaking model: 1...Weibull, 2...Rayleigh.

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

### 1.61 DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY

Type: Integer
Dimension: 0
Mnemo IFRIH
DEFAULT VALUE: 5

French keyword: DEFERLEMENT 4 (IH) CHOIX FREQUENCE CARACTERISTIQUE

Selection of the characteristic frequency of the wave spectrum

- 1 : Frequency Fmoy
- 2: Frequency F01 (defined by the moments of order 0 and 1 of the spectrum)
- 3: Frequency F02 (defined by the moments of order 0 and 2 of the spectrum)
- 4 : Frequency Fpic (sampling frequency corresponding to the max)
- 5 : Frequency Fread ordre 5 (peak frequency, 5th order Read method)
- 6 : Frequency Fread ordre 8 (peak frequency, 8th order Read method)

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR

### 1.62 DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETAO

Type: Real Dimension: 1

Mnemo Variable BETAIH

DEFAULT VALUE: 1.8

French keyword: DEFERLEMENT 4 (IH) CONSTANTE BETAO

coefficient BETA0 of the Izumiya and Horikawa model (1984).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR

### 1.63 DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR

Type: Real Dimension: 1

Mnemo Variable EM2SIH

DEFAULT VALUE: 0.009

French keyword: DEFERLEMENT 4 (IH) CONSTANTE M2STAR

coefficient M2STAR of the Izumiya and Horikawa model (1984).

### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0

### 1.64 DEPTH-INDUCED BREAKING DISSIPATION

Type: Integer
Dimension: 0
Mnemo SBREK

DEFAULT VALUE: 0

French keyword: DISSIPATION PAR DEFERLEMENT

Selection of the modelling type of the bathymetric-induced breaking dissipation source term:

- 0: Breaking is ignored.
- 1 : Battjes and Janssen model (1978).
- 2: Thornton and Guza model (1983).
- 3 : Roelvink model (1993).
- 4 : Izumiya and Horikawa model (1984).

1.65 DICTIONARY 29

### Related keywords

NUMBER OF BREAKING TIME STEPS

DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD

DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD

DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1

DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2

DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION

DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION

DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0

DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR

### 1.65 DICTIONARY

Type: String Dimension: 1

Mnemo

DEFAULT VALUE: 'tomawac.dico'
French keyword: DICTIONNAIRE

Key word dictionary.

### 1.66 DIFFRACTION

Type: Integer
Dimension: 0
Mnemo DIFFRA

DEFAULT VALUE: 0

French keyword: DIFFRACTION

Caution: We do not guarantee the modele of diffraction. Selection of the model used to represent the diffraction:

- 0: Diffraction is not taken into account
- 1 : Mild Slope Equation model (Berkhoff 1972)
- 2 : Revised Mild Slope Equation model (Porter 2003)

The phase-decoupled approach proposed by Holthuijsen (2003) is used to simulate diffraction in TOMAWAC

### Related keywords

STARTING TIME STEP FOR DIFFRACTION VARIANCE THRESHOLD FOR DIFFRACTION **DIFFRACTION FILTER** 

### 1.67 DIFFRACTION FILTER

Type: Logical Dimension:

Variable FLTDIF Mnemo

DEFAULT VALUE: .FALSE.

French keyword: FILTRE POUR DIFFRACTION

If diffraction is considered, the keyword indicates whether the local amplitudes of the directional spectra are filtered to compute the diffraction parameter and the transfer rates.

Related keywords

DIFFRACTION

VARIANCE THRESHOLD FOR DIFFRACTION STARTING TIME STEP FOR DIFFFRACTION

### 1.68 DISSIPATION BY STRONG CURRENT

Type: Integer Dimension: 0 **SDSCU** Mnemo DEFAULT VALUE:

French keyword: DISSIPATION PAR FORT COURANT

When wave-blocking effects are present (wave stopped by a strong opposing current), two options are possible. If its value is 1, an upper limit is imposed to the spectrum, using a Phillips (1977) shape. If its value is 2, a dissipative term is added, following Van der Westhuysen (2012).

Related keywords

DISSIPATION COEFFICIENT FOR STRONG CURRENT

### 1.69 DISSIPATION COEFFICIENT FOR STRONG CURRENT

Real Type: Dimension: 1

Mnemo **CDSCUR** DEFAULT VALUE: 0.65

French keyword: COEFFICIENT DE DISSIPATION PAR FORT COURANT Dissipation coefficient for waves stopped by a strong opposing current (wave blocking effects). Van der Westhuysen (2012) expression: Cds,cur.

Related keywords

DISSIPATION BY STRONG CURRENT

### 1.70 FILE WITH COORDINATES OF SPECTRA TO IMPOSE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(LEOIXY)

DEFAULT VALUE: "

French keyword: FICHIER DES COORDONNEES DE SPECTRES A IMPOSER Text file following the DAT format of Salome with the coordinates of the spectra that will be imposed on the boundary.

Related keywords

IMPOSED SPECTRA FILE IMPOSED SPECTRA FILE FORMAT TIME UNIT OF IMPOSED SPECTRA FILE TIME SHIFT OF IMPOSED SPECTRA FILE

### 1.71 FILE WITH COORDINATES OF SPECTRA TO WRITE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(LEOWXY)

DEFAULT VALUE: '

French keyword: FICHIER DES COORDONNEES DE SPECTRES A ECRIRE Text file following the DAT format of Salome with the coordinates of the spectra to output.

### 1.72 FINITE ELEMENT ASSEMBLY

Type: Integer Dimension: 0

Mnemo MODASS

DEFAULT VALUE: 1

French keyword: ASSEMBLAGE EN ELEMENTS FINIS

1: normal 2: with I8 integers

### 1.73 FORMATTED CURRENTS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACCOF)

DEFAULT VALUE: '

French keyword: FICHIER DES COURANTS FORMATE

Name of the current data file (if formatted).

Related keywords

CONSIDERATION OF A STATIONARY CURRENT

CONSIDERATION OF TIDE BINARY CURRENTS FILE CURRENTS FILE FORMAT

### 1.74 FORMATTED FILE 1

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACFO1)

DEFAULT VALUE: '

French keyword: FICHIER FORMATE 1 Formatted data file made available to the user.

### 1.75 FORMATTED TIDAL WATER LEVEL FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACMAF)

DEFAULT VALUE: '

French keyword: FICHIER DU NIVEAU DE LA MAREE FORMATE

Name of the tidal data file (if formatted).

### Related keywords

**CONSIDERATION OF TIDE** 

BINARY TIDAL WATER LEVEL FILE TIDAL WATER LEVEL FILE FORMAT

TIDE REFRESHING PERIOD

### 1.76 FORMATTED WINDS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACVEF)

DEFAULT VALUE: '

French keyword: FICHIER DES VENTS FORMATE

Name of wind data file (if formatted).

### Related keywords

CONSIDERATION OF WIND

BINARY WINDS FILE WINDS FILE FORMAT

### 1.77 FORTRAN FILE

Type: String Dimension: 1

Mnemo Variable NOMFOR

DEFAULT VALUE: '

French keyword: FICHIER FORTRAN Name of FORTRAN file to be submitted.

### 1.78 FREQUENTIAL RATIO

Type: Real
Dimension: 1
Mnemo RAISF
DEFAULT VALUE: 1.1

French keyword: RAISON FREQUENTIELLE
Define the ratio between 2 successive discretised frequencies

Related keywords

MINIMAL FREQUENCY NUMBER OF FREQUENCIES SPECTRUM TAIL FACTOR

### 1.79 GEOMETRY FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACGEO)

DEFAULT VALUE: '

French keyword: FICHIER DE GEOMETRIE

Name of the file containing the mesh of the computation to be made.

Related keywords

**GEOMETRY FILE FORMAT** 

### 1.80 GEOMETRY FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACGEO)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DE GEOMETRIE

Geometry file format. Possible values are:

- SERAFIN: classical single precision format in Telemac;
- SERAFIND: classical double precision format in Telemac;
- MED: MED format based on HDF5

### 1.81 GLOBAL RESULT FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACRBI)

DEFAULT VALUE: '

French keyword: FICHIER DES RESULTATS GLOBAUX

Name of the file in which the table F (density spectrum) is written at the end of the computation

in order to realise a next computation.

Related keywords

### GLOBAL RESULT FILE FORMAT

### 1.82 GLOBAL RESULT FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACRBI)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DES RESULTATS GLOBAUX

Previous computation results file format. Possible values are:

• SERAFIN : classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

### 1.83 IMPLICITATION COEFFICIENT FOR SOURCE TERMS

Type: Real Dimension: 1

Mnemo Variable CIMPLI

DEFAULT VALUE: 0.5

French keyword: COEFFICIENT IMPLICITATION POUR TERMES SOURCES

Implicitation coefficient for the source terms integration, included between 0 et 1.

• CIMPLI=0. : explicit

• CIMPLI=0.5 : semi-implicit

• CIMPLI=1. : implicit.

### Related keywords

### CONSIDERATION OF SOURCE TERMS

### 1.84 IMPOSED SPECTRA FILE

Type: String Dimension: 0

Mnemo Variable WAC FILES(IMPSPE)

DEFAULT VALUE: '

French keyword: FICHIER DES SPECTRES IMPOSES Name of the file containing the mesh with the imposed spectra.

### Related keywords

IMPOSED SPECTRA FILE FORMAT TIME UNIT OF IMPOSED SPECTRA FILE TIME SHIFT OF IMPOSED SPECTRA FILE FILE WITH COORDINATES OF SPECTRA TO IMPOSE

### 1.85 IMPOSED SPECTRA FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(IMPSPE)

DEFAULT VALUE: 'SERAFIN'

French keyword: FORMAT DU FICHIER DES SPECTRES IMPOSES

Imposed spectra file format. Possible values are:

• SERAFIN: classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

### Related keywords

IMPOSED SPECTRA FILE TIME UNIT OF IMPOSED SPECTRA FILE TIME SHIFT OF IMPOSED SPECTRA FILE FILE WITH COORDINATES OF SPECTRA TO IMPOSE

### 1.86 INFINITE DEPTH

Type: Logical

Dimension: 1

Mnemo Variable PROINF

DEFAULT VALUE: .FALSE.

French keyword: PROFONDEUR INFINIE

Indicates whether an infinite depth is assumed. If so, bottom friction is inhibited.

### 1.87 INITIAL ANGULAR DISTRIBUTION FUNCTION

Type: Integer
Dimension: 0
Mnemo FRABI

DEFAULT VALUE: 1

French keyword: FONCTION DE REPARTITION ANGULAIRE INITIALE

Is part of the set of constants used for computing the initial directional spectrum. Allow the computation of the angular distribution function

- 1:  $cos^{2s}(T-T0)$ ; with T in [T0-pi/2;T0+pi/2]
- 2 :  $exp(-0.5((T-T0)/s)^2)$  ; with T in [T0-pi/2;T0+pi/2]
- $3 : cos^{2s}((T-T0)/2)$  (of type Mitsuyasu)

where s is the boundary directionnal spread (SPRED1 or SPRED2)

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

### 1.88 INITIAL DIRECTIONAL SPREAD 1

Type: Real Dimension: 1

Mnemo SPRED1

DEFAULT VALUE: 2.

French keyword: ETALEMENT DIRECTIONNEL 1 INITIAL

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

### 1.89 INITIAL DIRECTIONAL SPREAD 2

Type: Real Dimension: 1

Mnemo SPRED2

DEFAULT VALUE: 2.

French keyword: ETALEMENT DIRECTIONNEL 2 INITIAL

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

### 1.90 INITIAL MAIN DIRECTION 1

Type: Real
Dimension: 1
Mnemo TETA1
DEFAULT VALUE: 0.

French keyword: DIRECTION PRINCIPALE 1 INITIALE

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

### 1.91 INITIAL MAIN DIRECTION 2

Type: Real
Dimension: 1
Mnemo TETA2
DEFAULT VALUE: 0.

French keyword: DIRECTION PRINCIPALE 2 INITIALE

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.92 INITIAL MAXIMUM PEAK FREQUENCY

Type: Real Dimension: 1

Mnemo FREMAX

DEFAULT VALUE: 0.2

French keyword: FREQUENCE DE PIC MAXIMALE INITIALE

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

# 1.93 INITIAL MEAN FETCH VALUE

Type: Real Dimension: 1

Mnemo FETCH DEFAULT VALUE: 30000.

French keyword: VALEUR MOYENNE DU FETCH INITIAL

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

# 1.94 INITIAL PEAK FACTOR

Type: Real Dimension: 1

Mnemo GAMMA DEFAULT VALUE: 3.3

French keyword: FACTEUR DE PIC INITIAL

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.95 INITIAL PEAK FREQUENCY

Type: Real
Dimension: 1
Mnemo FPIC
DEFAULT VALUE: 0.067

French keyword: FREQUENCE DE PIC INITIALE

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.96 INITIAL PHILLIPS CONSTANT

Type: Real Dimension: 1

Mnemo ALPHIL DEFAULT VALUE: 0.018

French keyword: CONSTANTE DE PHILLIPS INITIALE

Is part of the set of constants used for computing the initiale directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

# 1.97 INITIAL SIGNIFICANT WAVE HEIGHT

Type: Real
Dimension: 1
Mnemo HM0
DEFAULT VALUE: 1.

French keyword: HAUTEUR SIGNIFICATIVE INITIALE

Is part of the set of constants used for computing the boundary directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

# 1.98 INITIAL STILL WATER LEVEL

Type: Real Dimension: 1

Mnemo ZREPOS

DEFAULT VALUE: 0.

French keyword: COTE INITIALE DU PLAN D'EAU AU REPOS

Parameter used in the computation of the initial water DEPTH: DEPTH=ZREPOS-ZF.

# 1.99 INITIAL TIME SET TO ZERO

Type: Logical

Dimension: 1

Mnemo RAZTIM DEFAULT VALUE: NO

French keyword: REMISE A ZERO DU TEMPS

Initial time set to zero in case of restart

# 1.100 INITIAL VALUE OF SIGMA-A FOR SPECTRUM

Type: Real Dimension: 1

Mnemo SIGMAA DEFAULT VALUE: 0.07

French keyword: VALEUR INITIALE DE SIGMA-A POUR SPECTRE

Is part of the set of constants used for computing the initial directional spectrum as a function

of the wind field.

Related keywords

# TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.101 INITIAL VALUE OF SIGMA-B FOR SPECTRUM

Type: Real Dimension: 1

Mnemo SIGMAB DEFAULT VALUE: 0.09

French keyword: VALEUR INITIALE DE SIGMA-B POUR SPECTRE

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.102 INITIAL WEIGHTING FACTOR FOR ADF

Type: Real Dimension: 1

Mnemo XLAMDA

DEFAULT VALUE: 1.

French keyword: FACTEUR DE PONDERATION POUR FRA INITIALE

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field.

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 1.103 LIMIT SPECTRUM MODIFIED BY USER

Type: Logical
Dimension: 0
Mnemo SPEULI
DEFAULT VALUE: .FALSE.

French keyword: SPECTRE AUX LIMITES MODIFIE PAR L'UTILISATEUR Indicates whether the user wants to modify the boundary spectrum. He should then retrieve the limwac.f subroutine, if the spectrum is frequency discretized, or the spelim.f subroutine, otherwise.

Related keywords

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

#### 1.104 LINEAR WAVE GROWTH

Type: Integer
Dimension: 0
Mnemo LVENT
DEFAULT VALUE: 0

French keyword: CROISSANCE LINEAIRE DES VAGUES

Possibility to add a linear wave growth term to the wind generation source term. If its value is 0, the linear wave growth is ignored; if its value is 1, it is added to the source term, as in the formula of Cavaleri and Malanotte-Rizzoli (1981).

Related keywords

CONSIDERATION OF A WIND

WINDS FILE

#### 1.105 LIST OF FILES

Type: String Dimension: 21

Mnemo

DEFAULT VALUE: 'STEERING FILE;

DICTIONARY; FORTRAN FILE; GEOMETRY FILE;

BOUNDARY CONDITIONS FILE; BOTTOM TOPOGRAPHY FILE;

2D RESULTS FILE;

PUNCTUAL RESULTS FILE; PREVIOUS COMPUTATION FILE;

GLOBAL RESULT FILE; BINARY CURRENTS FILE; FORMATTED CURRENTS FILE;

BINARY FILE 1; FORMATTED FILE 1; BINARY WINDS FILE; FORMATTED WINDS FILE;

PARALLELISM FILE; REFERENCE FILE;

BINARY TIDAL WATER LEVEL FILE; FORMATTED TIDAL WATER LEVEL FILE;

1D SPECTRA RESULTS FILE'

French keyword: LISTE DES FICHIERS

Names of the files used by the software

# 1.106 MAXIMUM VALUE OF THE RATIO HMO ON D

Type: Real Dimension: 1

Mnemo Variable COEFHS

DEFAULT VALUE: 1.

French keyword: VALEUR MAXIMALE DU RAPPORT HMO SUR D

At the beginning of the integration of the source terms, the wave height is lopped in order to satisfy the specified criterium.

Related keywords

DEPTH-INDUCED BREAKING DISSIPATION

# 1.107 MINIMAL FREQUENCY

Type: Real Dimension: 1 Mnemo F1

**DEFAULT VALUE: MANDATORY** 

French keyword: FREQUENCE MINIMALE

Define the minimal frequency in Hz. The discretised frequencies are computed from the FRE-QUENTIAL RATIO r and the NUMBER OF FREQUENCIES NF by the relation  $f = f_0 * r^{k-1}$  k=1,NF.

#### Related keywords

FREQUENTIAL RATIO NUMBER OF FREQUENCIES SPECTRUM TAIL FACTOR

# 1.108 MINIMUM WATER DEPTH

Type: Real Dimension: 1

Mnemo Variable PROMIN

DEFAULT VALUE: 0.1

French keyword: PROFONDEUR D'EAU MINIMALE

Defines the minimum water depth below which bottom elevations are regarded as dry.

# 1.109 NAMES OF VARIABLES

Type: String Dimension: 5

Mnemo NAMEU,NAMEV,NAMEWX,NAMEWY,NAMEH

DEFAULT VALUE: 'VITESSE U M/S;

VITESSE V M/S; VENT X M/S; VENT Y M/S;

HAUTEUR D EAU M'

French keyword: NOMS DES VARIABLES

Names of variables in SERAFIN format files

- 1: Velocity U
- 2: Velocity V
- 3: Wind velocity along X
- 4: Wind velocity along Y
- 5: Depth

#### 1.110 NEXT COMPUTATION

Type: Logical

Dimension: 1

Mnemo Variable SUIT DEFAULT VALUE: .FALSE.

French keyword: SUITE DE CALCUL Indicates whether a next compution is done.

Related keywords

PREVIOUS COMPUTATION FILE

#### 1.111 NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

Type: Integer
Dimension: 0
Mnemo STRIF
DEFAULT VALUE: 0

French keyword: TRANSFERTS NON LINEAIRES INTER-FREQUENCES

Selection of the modelling type of the non-linear transfert source term. If its value is 0, the non-linear transfers are ignored; if its value is 1, they are integrated in accordance with the formula of WAM cycle 4 (DIA method), if its value is 2, the MDIA (Multiple DIA) method is used to calculate the non linear transfer term, if its value is 3, the non linear transfer term is calculated with the exact GQM method.

# Related keywords

STANDARD CONFIGURATION PARAMETER

SETTING FOR INTEGRATION ON OMEGA1

SETTING FOR INTEGRATION ON THETA1

SETTING FOR INTEGRATION ON OMEGA2

THRESHOLDO FOR CONFIGURATIONS ELIMINATION

THRESHOLD1 FOR CONFIGURATIONS ELIMINATION

THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

# 1.112 NUMBER OF BREAKING TIME STEPS

Type: Integer Dimension: 1

Mnemo NDTBRK

DEFAULT VALUE: 1

French keyword: NOMBRE DE SOUS-PAS DE TEMPS POUR LE DEFERLEMENT Number of time steps for the breaking source term. These time steps are in a geometric progression

#### Related keywords

DEPTH-INDUCED BREAKING DISSIPATION
COEFFICIENT FOR THE BREAKING TIME STEPS

#### 1.113 NUMBER OF DIRECTIONS

Type: Integer
Dimension: 1
Mnemo NPLAN
DEFAULT VALUE: 12

French keyword: NOMBRE DE DIRECTIONS

Defines the number of wave propagation directions. The propagation directions are evenly distributed from 0 to 360 degrees.

# 1.114 NUMBER OF FIRST ITERATION FOR GRAPHICS PRINTOUTS

Type: Integer

Dimension: 1

Mnemo GRADEB

DEFAULT VALUE: 0

French keyword: NUMERO DE LA PREMIERE ITERATION POUR LES SORTIES GRAPHIQUES

Determines the number of iterations over mean angular frequency from which the results are first written into the 2D RESULTS FILE and the PUNCTUAL RESULTS FILE.

Related keywords

PERIOD FOR GRAPHIC PRINTOUTS

VARIABLES FOR 2D GRAPHIC PRINTOUTS

ABSCISSAE OF SPECTRUM PRINTOUT POINTS

ORDINATES OF SPECTRUM PRINTOUT POINTS

2D RESULTS FILE

PUNCTUAL RESULTS FILE

#### 1.115 NUMBER OF FREQUENCIES

Type: Integer
Dimension: 1
Mnemo NF
DEFAULT VALUE: 15

French keyword: NOMBRE DE FREQUENCES

Defines the number of wave propagation frequencies. The propagation frequencies are geometrically distributed as a fonction of the MINIMAL FREQUENCY OF THE COMPUTATION and the FREQUENTIAL REASON

Related keywords

FREQUENTIAL RATIO SPECTRUM TAIL FACTOR

# 1.116 NUMBER OF ITERATIONS FOR THE SOURCE TERMS

Type: Integer
Dimension: 1
Mnemo NSITS
DEFAULT VALUE: 1

French keyword: NOMBRE DE SOUS-ITERATIONS POUR LES TERMES SOURCES Number of sub-iterations for the computation of the source terms. The time step considered in

the integration of the source terms is the ratio between the TIME STEP and the NUMBER OF SUB-ITERATIONS FOR THE SOURCE TERMS

Related keywords

TIME STEP

#### 1.117 NUMBER OF PRIVATE ARRAYS

Type: Integer

Dimension: 1

Mnemo Variable NPRIV

DEFAULT VALUE: 0

French keyword: NOMBRE DE TABLEAUX PRIVES

Number of private arrays used by the user

# 1.118 NUMBER OF TIME STEP

Type: Integer
Dimension: 1
Mnemo NIT

DEFAULT VALUE: MANDATORY

French keyword: NOMBRE DE PAS DE TEMPS

Define the number of time step.

Related keywords

TIME STEP

# 1.119 OPTION FOR DIAGNOSTIC TAIL

Type: Integer
Dimension: 0
Mnemo DIAGHF

DEFAULT VALUE: 1

French keyword: OPTION POUR LA QUEUE DIAGNOSTIQUE

Option to treat the spectrum diagnotic tail.

- 0 : No diagnostic tail
- 1 : A decrease in  $f^{-TAILF}$  is imposed beyond max(4fPM;2.5fmoy)

# Related keywords

SPECTRUM TAIL FACTOR NUMBER OF FREQUENCIES FREQUENTIAL RATIO

#### 1.120 OPTION FOR SECOND DERIVATIVES

Type: Integer Dimension: 0

Mnemo OPTDER

DEFAULT VALUE: 1

French keyword: OPTION POUR LES DERIVEES SECONDES

1: Freemesh method 2: two simple derivatives

#### 1.121 ORDINATES OF SPECTRUM PRINTOUT POINTS

Type: Real
Dimension: 2
Mnemo YLEO

DEFAULT VALUE: MANDATORY

French keyword: ORDONNEES DES POINTS DE SORTIE DU SPECTRE

Array providing the ordinates of the Seraphin spectrum printout points with a maximum dimension of 99. The spectrum printout points are the closest 2D points to the specified co-ordinates

Related keywords

ABSCISSAE OF SPECTRUM PRINTOUT POINTS

PUNCTUAL RESULT FILE

#### 1.122 ORIGIN COORDINATES

Type: Integer

Dimension: 2

Mnemo I\_ORIG,J\_ORIG

DEFAULT VALUE: 0;0

French keyword: COORDONNEES DE L'ORIGINE

Value in metres, used to avoid large real numbers, added in Selafin format, but so far no other

treatment

#### 1.123 PARALLEL PROCESSORS

Type: Integer
Dimension: 1

Mnemo NCSIZE

DEFAULT VALUE: 0

French keyword: PROCESSEURS PARALLELES

NUMBER OF PROCESSORS FOR PARALLEL PROCESSING 0 : 1 machine, compiling without parallel library 1 : 1 machine, compiling with a parallel library 2 : 2 processors or machines in parallel etc....

# 1.124 PARTITIONING TOOL

Type: String Dimension: 1

Mnemo

DEFAULT VALUE: 'METIS'

French keyword: PARTITIONNEUR PARTITIONING TOOL SELECTION

- 1: METIS
- 2: SCOTCH
- 3: PARMETIS
- 4: PTSCOTCH

#### 1.125 PERIOD FOR GRAPHIC PRINTOUTS

Type: Integer Dimension: 1

Mnemo GRAPRD

DEFAULT VALUE: 1

French keyword: PERIODE POUR LES SORTIES GRAPHIQUES

Determines the printing period, in number of time step of the VARIABLES FOR 2D GRAPHIC PRINTOUTS in the 2D RESULTS FILE and the PUNCTUAL RESULTS FILE.

Related keywords

VARIABLES FOR 2D GRAPHIC PRINTOUTS

ABSCISSAE OF SPECTRUM PRINTOUT POINTS

ORDINATES OF SPECTRUM PRINTOUT POINTS

2D RESULTS FILE

PUNCTUAL RESULTS FILE

NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS

#### 1.126 PERIOD FOR LISTING PRINTOUTS

Type: Integer

Dimension: 1

Mnemo LISPRD

DEFAULT VALUE: 1

French keyword: PERIODE POUR LES SORTIES LISTING

Determines the period, in number of time step of the software messages in the listing file.

#### 1.127 PREVIOUS COMPUTATION FILE

Type: String Dimension: 0

Mnemo Variable WAC FILES(WACPRE)

DEFAULT VALUE: "

French keyword: FICHIER DU CALCUL PRECEDENT

Name of the file containing the global results of a previous computation realised with the same mesh. This file gives the initial conditions for a next computation.

Related keywords

BINARY OF THE PREVIOUS COMPUTATION FILE

# 1.128 PREVIOUS COMPUTATION FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACPRE)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DU CALCUL PRECEDENT

Previous computation results file format. Possible values are only:

• SERAFIN: classical single precision format in Telemac;

• SERAFIND: classical double precision format in Telemac;

• MED: MED format based on HDF5

# 1.129 PUNCTUAL RESULTS FILE

Type: String Dimension: 0

Mnemo Variable WAC\_FILES(WACLEO)

DEFAULT VALUE:

French keyword: FICHIER DES RESULTATS PONCTUELS

Name of the file into which the punctual spectra will be written.

# Related keywords

SPECTRUM FILE FORMAT

ABSCISSAE OF SPECTRUM PRINTOUT POINTS

ORDINATES OF SPECTRUM PRINTOUT POINTS

PERIOD FOR GRAPHIC PRINTOUTS

NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS

# 1.130 RANK OF THE WATER LEVEL DATA IN THE TELEMAC FILE

Type: Integer Dimension: 1

Mnemo IDHMA

DEFAULT VALUE: 4

French keyword: RANG DU NIVEAU DE LA MAREE DANS LE FICHIER TELEMAC

Rank of the water level data in the TELEMAC file

#### Related keywords

CONSIDERATION OF TIDE

BINARY TIDAL WATER LEVEL FILE FORMATTED TIDAL WATER LEVEL FILE

TIDE REFRESHING PERIOD

# 1.131 RECOVERY OF TELEMAC DATA ITEM

Type: Logical Dimension: 0

Mnemo Variable DONTEL

DEFAULT VALUE: .FALSE.

French keyword: RECUPERATION DE DONNEE TELEMAC

Indicates whether TELEMAC data are recovered in LECDON. If so, a proper-formatted CUR-RENTS FILE should be used and the rank of the respective variable should be entered into the TELEMAC file.

Related keywords

**BINARY CURRENTS FILE** 

FORMATTED CURRENTS FILE

**CURRENTS FILE TYPE** 

RANK OF THE TELEMAC DATA ITEM TO BE RECOVERED

TIME INCREMENT NUMBER IN TELEMAC FILE

# 1.132 REFERENCE FILE

Type: String Dimension: 0

Mnemo Variable WAC FILES(WACREF)

DEFAULT VALUE:

French keyword: FICHIER DE REFERENCE

Name of validation data file

Related keywords

VALIDATION

# 1.133 REFERENCE FILE FORMAT

Type: String Dimension: 1

Mnemo WAC FILES(WACREF)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DE REFERENCE

Previous computation results file format. Possible values are:

- SERAFIN : classical single precision format in Telemac;
- SERAFIND: classical double precision format in Telemac;
- MED: MED format based on HDF5

#### 1.134 RELEASE

Type: String Dimension: 0

Mnemo Variable VERS
DEFAULT VALUE: 'TRUNK'

French keyword: NUMERO DE VERSION

Release number

#### 1.135 SATURATION THRESHOLD FOR THE DISSIPATION

Type: Real Dimension: 1

Mnemo Variable CMOUT4

DEFAULT VALUE: 0.00175

French keyword: SEUIL DE SATURATION POUR LA DISSIPATION

White capping dissipation coefficient of van der Westhuysen (2007): Br (saturation threshold).

Related keywords

WHITE CAPPING DISSIPATION

WESTHUYSEN DISSIPATION COEFFICIENT WESTHUYSEN WHITE CAPPING DISSIPATION WESTHUYSEN WEIGHTING COEFFICIENT

# 1.136 SETTING FOR INTEGRATION ON OMEGA1

Type: Integer Dimension: 0

Mnemo Variable IQ\_OM1

DEFAULT VALUE: 3

French keyword: REGLAGE POUR INTEGRATION SUR OMEGA1

Choice of setting giving the number of integration points on omega1 when the non linear transfer term is calculated with the exact GQM method: rough 3; medium 1; fine 2

# 1.137 SETTING FOR INTEGRATION ON OMEGA2

Type: Integer Dimension: 0

Mnemo NQ\_OM2

DEFAULT VALUE: 6

French keyword: REGLAGE POUR INTEGRATION SUR OMEGA2

Number of integration points on omega2 when the non linear transfer term is calculated with the exact GQM method: rough 6; medium 8; fine 12

# 1.138 SETTING FOR INTEGRATION ON THETA 1

Type: Integer
Dimension: 0
Mnemo NQ\_TE1

DEFAULT VALUE: 3

French keyword: REGLAGE POUR INTEGRATION SUR THETA1

Choice of setting giving the number of integration points on theta1 (number of integration points= $2*NQ\_TE1$ ) when the non linear transfer term is calculated with the exact GQM method: rough 3; medium 4; fine 8

#### 1.139 SHIFT GROWING CURVE DUE TO WIND

Type: Real
Dimension: 1
Mnemo DECAL
DEFAULT VALUE: 0.011

French keyword: DECALAGE COURBE DE CROISSANCE DUE AU VENT

Constant used in the wind source term.

Related keywords

WIND GENERATION

# 1.140 SPECTRUM ENERGY THRESHOLD

Type: Real Dimension: 1

Mnemo E2FMIN DEFAULT VALUE: 1.E-30

French keyword: SEUIL D'ENERGIE CONSIDERE POUR LE SPECTRE

For initial conditions, the energy on a frequency-direction component lower to this threshold is taken to 0. Useful for comparisons with WAM cycle 4.

# 1.141 SPECTRUM FILE FORMAT

Type: String Dimension: 1

Mnemo WAC\_FILES(WACLEO)

DEFAULT VALUE: 'SERAFIN?'

French keyword: FORMAT DU FICHIER DE SPECTRE

Spectrum results file format. Possible values are:

- SERAFIN : classical single precision format in Telemac;
- SERAFIND: classical double precision format in Telemac;
- MED: MED format based on HDF5

#### 1.142 SPECTRUM TAIL FACTOR

Type: Real
Dimension: 1
Mnemo TAILF
DEFAULT VALUE: 5.

French keyword: FACTEUR DE QUEUE DU SPECTRE

Used to consider in the computations the contribution of the non discretised high frequencies

Related keywords

NUMBER OF FREQUENCIES

FREQUENTIAL RATIO

# 1.143 SPHERICAL COORDINATES

Type: Logical

Dimension: 0

Mnemo Variable SPHE

DEFAULT VALUE: .FALSE.

French keyword: COORDONNEES SPHERIQUES

Indicates whether the coordinates are spherical (unit=degree) or cartesian (unit=meter).

# 1.144 STANDARD CONFIGURATION PARAMETER

Type: Real Dimension: 1

Mnemo Variable XLAMD

DEFAULT VALUE: 0.25

French keyword: PARAMETRE DE LA CONFIGURATION STANDARD

Parameter defining the standard configuration for the quadruplet interactions in the DIA method.

Related keywords

NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

#### 1.145 STARTING TIME STEP FOR DIFFFRACTION

Type: Integer Dimension: 1

Mnemo NPTDIF

DEFAULT VALUE:

French keyword: PAS DE TEMPS DEBUT DIFFRACTION

Number of the time step from which the diffraction is taken into account until the end of the simulation.

Related keywords

DIFFRACTION

VARIANCE THRESHOLD FOR DIFFRACTION

**DIFFRACTION FILTER** 

#### 1.146 STATIONARY WIND

Type: Logical

Dimension: 0

Mnemo Variable VENSTA

DEFAULT VALUE: .TRUE.

French keyword: VENT STATIONNAIRE

Indicates whether the wind evolves temporally and requires to be updated

Related keywords

CONSIDERATION OF A WIND

#### 1.147 STEERING FILE

Type: String Dimension: 0

Mnemo Variable WACCAS

DEFAULT VALUE: '

French keyword: FICHIER DES PARAMETRES

Name of the file containing the parameters of the computation to be made.

# 1.148 TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES

Type: Logical Dimension: 0

Mnemo SOURCE\_ON\_BND

DEFAULT VALUE: .TRUE.

French keyword: PRISE EN COMPTE DES TERMES SOURCES SUR LES FRONTIERES IMPOSEI Indicates whether source terms are taken into account on imposed boundaries.

#### 1.149 THRESHOLDO FOR CONFIGURATIONS ELIMINATION

Type: Real Dimension: 1

Mnemo Variable SEUIL

DEFAULT VALUE: 0.00

French keyword: SEUILO ELIMINATION DE CONFIGURATIONS

Choice of threshold for configurations elimination when the non linear transfer term is calculated with the exact GQM method

Related keywords

THRESHOLD1 FOR CONFIGURATIONS ELIMINATION THRESHOLD2 FOR CONFIGURATIONS ELIMINATION NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

# 1.150 THRESHOLD1 FOR CONFIGURATIONS ELIMINATION

Type: Real Dimension: 1

Mnemo Variable SEUIL1 DEFAULT VALUE: 10000000000.0

French keyword: SEUIL1 ELIMINATION DE CONFIGURATIONS

Choice of threshold1 for configurations elimination when the non linear transfer term is calculated with the exact GQM method

Related keywords

THRESHOLD0 FOR CONFIGURATIONS ELIMINATION THRESHOLD2 FOR CONFIGURATIONS ELIMINATION NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

#### 1.151 THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

Type: Real Dimension: 1

Mnemo Variable SEUIL2

DEFAULT VALUE: 0.15

French keyword: SEUIL2 ELIMINATION DE CONFIGURATIONS

Choice of threshold2 for configurations elimination when the non linear transfer term is calculated with the exact GQM method: rough 0.15; medium 0.01; fine 0.001

#### Related keywords

THRESHOLDO FOR CONFIGURATIONS ELIMINATION THRESHOLD1 FOR CONFIGURATIONS ELIMINATION NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

# 1.152 TIDAL WATER LEVEL FILE FORMAT

Type: Integer
Dimension: 0
Mnemo INDIM
DEFAULT VALUE: 3

French keyword: FORMAT DU FICHIER DU NIVEAU DE LA MAREE

Selection of the type of tidal water level file format:

- 3 = selafin, TELEMAC type
- 4 = user format (the maruti.f procedure should then be amended)

# Related keywords

CONSIDERATION OF TIDE

BINARY TIDAL WATER LEVEL FILE

FORMATTED TIDAL WATER LEVEL FILE

TIDE REFRESHING PERIOD

#### 1.153 TIDE REFRESHING PERIOD

Type: Integer
Dimension: 1
Mnemo LAM
DEFAULT VALUE: 1

French keyword: PERIODE D'ACTUALISATION DE LA MAREE

Determines the period in number of iterations to update the tidal currents and the water depth.

# Related keywords

**CONSIDERATION OF TIDE** 

BINARY TIDAL WATER LEVEL FILE

FORMATTED TIDAL WATER LEVEL FILE

FORMAT DU FICHIER DU NIVEAU DE LA MAREE

#### 1.154 TIME INCREMENT NUMBER IN TELEMAC FILE

Type: Integer
Dimension: 1
Mnemo NPTT
DEFAULT VALUE: 1

French keyword: NUMERO DU PAS DE TEMPS DU FICHIER TELEMAC

Indicates the number of the time increment in the TELEMAC results file (currents file) corresponding to the desired time for data recovery.

Related keywords

RANK OF THE TELEMAC DATA ITEM TO BE RECOVERED RECOVERY OF TELEMAC DATA ITEM

# 1.155 TIME SHIFT IN CURRENTS FILE

Type: Real Dimension: 1

Mnemo PHASCOB

DEFAULT VALUE: 0.

French keyword: DEPHASAGE DU FICHIER DES COURANTS Will be withdrawn from the time read in the file. The unit is that of the file

#### 1.156 TIME SHIFT IN TIDAL WATER LEVEL FILE

Type: Real Dimension: 1

Mnemo PHASMAB

DEFAULT VALUE: 0.

French keyword: DEPHASAGE DU FICHIER DU NIVEAU DE LA MAREE

Will be withdrawn from the time read in the file. The unit is that of the file

#### 1.157 TIME SHIFT IN WINDS FILE

Type: Real Dimension: 1

Mnemo PHASVEB

DEFAULT VALUE: 0.

French keyword: DEPHASAGE DU FICHIER DES VENTS Will be withdrawn from the time read in the file. The unit is that of the file

# 1.158 TIME SHIFT OF IMPOSED SPECTRA FILE

Type: Real Dimension: 0

Mnemo PHASSPE

DEFAULT VALUE: 0.

French keyword: DEPHASAGE DU FICHIER DES SPECTRES IMPOSES

Will be withdrawn from the time read in the file. The unit is that of the file.

1.159 TIME STEP 55

# Related keywords

IMPOSED SPECTRA FILE IMPOSED SPECTRA FILE FORMAT TIME UNIT OF IMPOSED SPECTRA FILE FILE WITH COORDINATES OF SPECTRA TO IMPOSE

# **1.159** TIME STEP

Type: Real Dimension: 1 Mnemo DT

DEFAULT VALUE: MANDATORY
French keyword: PAS DE TEMPS

Define the time step in seconds.

Related keywords

NUMBER OF TIME STEPS

# 1.160 TIME UNIT IN CURRENTS FILE

Type: Real Dimension: 1

Mnemo UNITCOB

DEFAULT VALUE: 1.

French keyword: UNITE DE TEMPS DU FICHIER DES COURANTS

Unit given in seconds, for example 3600. if time is given in hours

# 1.161 TIME UNIT IN TIDAL WATER LEVEL FILE

Type: Real Dimension: 1

Mnemo UNITMAB

DEFAULT VALUE: 1.

French keyword: UNITE DE TEMPS DU FICHIER DU NIVEAU DE LA MAREE

Unit given in seconds, for example 3600. if time is given in hours

# 1.162 TIME UNIT IN WINDS FILE

Type: Real Dimension: 1

Mnemo UNITVEB

DEFAULT VALUE: 1.

French keyword: UNITE DE TEMPS DU FICHIER DES VENTS

Unit given in seconds, for example 3600. if time is given in hours

#### 1.163 TIME UNIT OF IMPOSED SPECTRA FILE

Type: Real Dimension: 0

Mnemo UNITSPE

DEFAULT VALUE: 1.

French keyword: UNITE DE TEMPS DU FICHIER DES SPECTRES IMPOSES

Unit given in seconds, for example 3600. if time is given in hours.

# Related keywords

IMPOSED SPECTRA FILE IMPOSED SPECTRA FILE FORMAT TIME SHIFT OF IMPOSED SPECTRA FILE FILE WITH COORDINATES OF SPECTRA TO IMPOSE

# 1.164 TITLE

Type: String Dimension: 0

Mnemo Variable TITCAS
DEFAULT VALUE: 'SET A TITLE!!!'

French keyword: TITRE Title of the case being studied.

# 1.165 TRIAD INTERACTIONS

Type: Integer
Dimension: 0
Mnemo STRIA
DEFAULT VALUE: 0

French keyword: TRANSFERTS ENTRE TRIPLETS DE FREQUENCES

Selection of the triad interaction model:

- 0 : no triad interactions
- 1 : LTA model (Eldeberky, 1996)
- 2 : SPB model (Becq, 1998)

# Related keywords

TRIADS 1 (LTA) COEFFICIENT ALPHA

TRIADS 1 (LTA) COEFFICIENT RFMLTA

TRIADS 2 (SPB) COEFFICIENT K

TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY

TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

# 1.166 TRIADS 1 (LTA) COEFFICIENT ALPHA

Type: Real Dimension: 1

Mnemo Variable ALFLTA

DEFAULT VALUE: 0.5

French keyword: TRIADS 1 (LTA) CONSTANTE ALPHA

Coefficient alpha of the LTA model proposed by Eldeberky(1996). If alpha=0, no energy transfers. The energy transfers increase with alpha.

# Related keywords

TRIAD INTERACTIONS

TRIADS 1 (LTA) COEFFICIENT RFMLTA

# 1.167 TRIADS 1 (LTA) COEFFICIENT RFMLTA

Type: Real Dimension: 1

Mnemo Variable RFMLTA

DEFAULT VALUE: 2.5

French keyword: TRIADS 1 (LTA) CONSTANTE REMLTA

RFMLTA determines the upper frequency on which the energy transfers may occur. The maximal frequency is calculated as the product of the constant RFMLTA by the peak frequency of the spectrum.

#### Related keywords

TRIAD INTERACTIONS

TRIADS 1 (LTA) COEFFICIENT ALPHA

# 1.168 TRIADS 2 (SPB) COEFFICIENT K

Type: Real Dimension: 1

Mnemo Variable KSPB

DEFAULT VALUE: 0.34

French keyword: TRIADS 2 (SPB) CONSTANTE K

coefficient K of the SPB model

#### Related keywords

TRIAD INTERACTIONS

TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

# 1.169 TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY

Type: Real Dimension: 1

Mnemo Variable BDISPB

DEFAULT VALUE: 0.

French keyword: TRIADS 2 (SPB) BORNE DIRECTIONNELLE INFERIEURE

Lower directional boundary of the SPB model

#### Related keywords

TRIAD INTERACTIONS

TRIADS 2 (SPB) COEFFICIENT K

TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

# 1.170 TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

Type: Real Dimension: 1

Mnemo Variable BDSSPB

DEFAULT VALUE: 360.

French keyword: TRIADS 2 (SPB) BORNE DIRECTIONNELLE SUPERIEURE

Upper directional boundary of the SPB model

# Related keywords

TRIAD INTERACTIONS

TRIADS 2 (SPB) COEFFICIENT K

TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY

# 1.171 TRIGONOMETRICAL CONVENTION

Type: Logical Dimension: 0

Mnamo TRIGO

Mnemo TRIGO DEFAULT VALUE: .FALSE.

French keyword: CONVENTION TRIGONOMETRIQUE

True if the wave directions are measured counterclockwise from the positive x-axis, false if they are measured clockwise fron geographic North

# 1.172 TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

Type: Integer Dimension: 0

Mnemo Variable LIMSPE

DEFAULT VALUE: 0

French keyword: TYPE DE SPECTRE DIRECTIONNEL AUX LIMITES

If this keyword is set to 0, a non-existent spectrum is speci fied at the inlet boundaries of the domain. If it ranges from 1 to 7, a JONSWAP (or TMA) -typed spectrum is specified at these very points as a function of the initial wind field and/or of the values of the following keywords

# Related keywords

**BOUNDARY SIGNIFICANT HEIGHT** 

**BOUNDARY PEAK FREQUENCY** 

BOUNDARY PEAK FACTOR

BOUNDARY VALUE OF SIGMA-A FOR SPECTRUM

BOUNDARY VALUE OF SIGMA-B FOR SPECTRUM

**BOUNDARY PHILLIPS CONSTANT** 

BOUNDARY MEAN FETCH VALUE

BOUNDARY MAXIMUM PEAK FREQUENCY

**BOUNDARY MAIN DIRECTION 1** 

**BOUNDARY DIRECTIONAL SPREAD 1** 

**BOUNDARY MAIN DIRECTION 2** 

**BOUNDARY DIRECTIONAL SPREAD 2** 

BOUNDARY WEIGHTING FACTOR FOR ADF

#### 1.173 TYPE OF INITIAL DIRECTIONAL SPECTRUM

Type: Integer Dimension: 0 Mnemo **INISPE** DEFAULT VALUE:

French keyword: TYPE DE SPECTRE DIRECTIONNEL INITIAL

If this keyword is set to 0, a non-existent spectrum is speci fied at the initial time step. If it ranges from 1 to 7, a JONSWAP (or TMA)-typed spectrum is specified as a function of the initial wind field and/or of the values of the following keywords

# Related keywords

**INITIAL SIGNIFICANT HEIGHT** 

INITIAL PEAK FREQUENCY

INITIAL PEAK FACTOR

INITIAL VALUE OF SIGMA-A FOR SPECTRUM

INITIAL VALUE OF SIGMA-B FOR SPECTRUM

INITIAL PHILLIPS CONSTANT

INITIAL MEAN FETCH VALUE

INITIAL MAXIMUM PEAK FREQUENCY

**INITIAL MAIN DIRECTION 1** 

**INITIAL DIRECTIONAL SPREAD 1** 

**INITIAL MAIN DIRECTION 2** 

**INITIAL DIRECTIONAL SPREAD 2** 

INITIAL WEIGHTING FACTOR FOR ADF

# 1.174 VALIDATION

Type: Logical Dimension: 0 **VALID** Mnemo DEFAULT VALUE: .FALSE. French keyword: VALIDATION True if the computation is a validation

Related keywords REFERENCE FILE

#### 1.175 **VARIABLES FOR 2D GRAPHIC PRINTOUTS**

Type: String Dimension:

Mnemo Variable SORT2D DEFAULT VALUE: 'HM0;DMOY'

French keyword: VARIABLES POUR LES SORTIES GRAPHIQUES 2D

Codes of the variables the user wants to write into the 2D RESULTS FILE. The available variables are as follows

• M0 : Total variance

• HM0: Spectral significant wave height

• DMOY: Mean wave direction

• SPD: Mean directional spreading

• ZF : Sea bottom level

• WD: Water depth

• UX : Current along X

• UY : Current along Y

• VX : Wind along X

VY : Wind along Y

• FX : Driving force along X

• FY : Driving force along Y

• SXX : Radiation stress along xx

• SYY : Radiation stress along yy

• SXY : Radiation stress along xy

• UWB : Bottom celerity

• POW: Wave power (per meter along wave crest)

• FMOY: Mean frequency FMOY

• FM01 : Mean frequency FM01

• FM02 : Mean frequency FM02

• FPD : Discrete peak frequency

• FPR5 : Peak frequency by Read method of order 5

• FPR8: Peak frequency by Read method of order 8

• US : Surface friction velocity u\*

• CD : Surface drag coefficient CD

• Z0: Surface roughness length Z0

• WS : Surface wave stress

• TMOY : Mean period Tmoy

• TM01 : Mean period Tm01

• TM02 : Mean period Tm02

• TPD: Discrete peak period

• TPR5: Peak period by Read method of order 5

• TPR8: Peak period by Read method of order 8

• PRI : Private table

• BETA: Breaking waves coefficient

#### Related keywords

2D RESULTS FILE

NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS

PERIOD FOR GRAPHIC PRINTOUTS

#### 1.176 VARIANCE THRESHOLD FOR DIFFRACTION

Type: Real Dimension: 1

Mnemo F2DIFM DEFAULT VALUE: 1.E-12

French keyword: SEUIL DE VARIANCE CONSIDEREE POUR DIFFRACTION Minimum spectral variance threshold taken into account when diffraction is considered

# Related keywords

DIFFRACTION

STARTING TIME STEP FOR DIFFRACTION

DIFFRACTION FILTER

# 1.177 VECTOR LENGTH

Type: Integer
Dimension: 0

Mnemo LVMAC

DEFAULT VALUE: 1

French keyword: LONGUEUR DU VECTEUR

Indicates the vector length of the vectorial machine being used.

# 1.178 VEGETATION TAKEN INTO ACCOUNT

Type: Logical

Dimension: 1

Mnemo VEGETATION

DEFAULT VALUE: NO

French keyword: PRISE EN COMPTE DE LA VEGETATION

If YES, subroutine QVEG will be called, it contains data on vegetation that are case-specific and must thus be modified

# 1.179 VON KARMAN CONSTANT

Type: Real Dimension: 1

Mnemo XKAPPA DEFAULT VALUE: 0.41

French keyword: CONSTANTE DE VON KARMAN

Constant used in the wind source term.

Related keywords

WIND GENERATION

# 1.180 WATER DENSITY

Type: Real Dimension: 1

Mnemo ROEAU DEFAULT VALUE: 1000.

French keyword: DENSITE DE L'EAU

The ratio ROAIR/ROEAU is used in the wind generation source term.

Related keywords

WIND GENERATION

AIR DENSITY

#### 1.181 WAVE GROWTH LIMITER

Type: Integer
Dimension: 0
Mnemo LIMIT
DEFAULT VALUE: 1

French keyword: LIMITEUR DE CROISSANCE

Choice of the wave growth limiter.

- If LIMIT=0, no wave growth limiter.
- If LIMIT=1, WAM 4 original limiter.
- If LIMIT=2, Hersbach et Janssen (1999) limiter.
- If LIMIT=3, Laugel BAJ limiter.

Related keywords

CONSIDERATION OF SOURCE TERMS

# 1.182 WESTHUYSEN DISSIPATION COEFFICIENT

Type: Real Dimension: 1

Mnemo Variable CMOUT3

DEFAULT VALUE: 0.00005

French keyword: COEFFICIENT DE DISSIPATION DE WESTHUYSEN White capping dissipation coefficient of van der Westhuysen (2007): Cdis,break.

# Related keywords

WHITE CAPPING DISSIPATION
SATURATION THRESHOLD FOR THE DISSIPATION
WESTHUYSEN WHITE CAPPING DISSIPATION
WESTHUYSEN WEIGHTING COEFFICIENT

#### 1.183 WESTHUYSEN WEIGHTING COEFFICIENT

Type: Real Dimension: 1

Mnemo Variable CMOUT6

DEFAULT VALUE: 0.0

French keyword: COEFFICIENT DE PONDERATION DE WESTHUYSEN

White capping dissipation coefficient of van der Westhuysen (2007): delta.

#### Related keywords

WHITE CAPPING DISSIPATION

WESTHUYSEN DISSIPATION COEFFICIENT

SATURATION THRESHOLD FOR THE DISSIPATION WESTHUYSEN WHITE CAPPING DISSIPATION

#### 1.184 WESTHUYSEN WHITE CAPPING DISSIPATION

Type: Real Dimension: 1

Mnemo Variable CMOUT5

DEFAULT VALUE: 3.29

French keyword: DISSIPATION PAR MOUTONNEMENT DE WESTHUYSEN White capping dissipation coefficient of van der Westhuysen (2007): Cdis,non-break.

# Related keywords

WHITE CAPPING DISSIPATION

WESTHUYSEN DISSIPATION COEFFICIENT

SATURATION THRESHOLD FOR THE DISSIPATION

WESTHUYSEN WEIGHTING COEFFICIENT

# 1.185 WHITE CAPPING DISSIPATION

Type: Integer
Dimension: 0
Mnemo SMOUT

DEFAULT VALUE: 0

French keyword: DISSIPATION PAR MOUTONNEMENT

Selection of the modelling type of the white capping source term. If its value is 0, the white capping dissipation is ignored; if its value is 1, it is integrated in accordance with a formula that is similar to that of WAM cycle 4; if its value is 2, it is integrated in accordance with the formula of van der Westhuysen (2007).

# Related keywords

WHITE CAPPING DISSIPATION COEFFICIENT WHITE CAPPING WEIGHTING COEFFICIENT WESTHUYSEN DISSIPATION COEFFICIENT

SATURATION THRESHOLD FOR THE DISSIPATION WESTHUYSEN WHITE CAPPING DISSIPATION WESTHUYSEN WEIGHTING COEFFICIENT

#### 1.186 WHITE CAPPING DISSIPATION COEFFICIENT

Type: Real Dimension: 1

Mnemo CMOUT1 DEFAULT VALUE: 4.5

French keyword: COEFFICIENT DE DISSIPATION PAR MOUTONNEMENT

White capping dissipation coefficient.

Related keywords

WHITE CAPPING DISSIPATION

WHITE CAPPING WEIGHTING COEFFICIENT

# 1.187 WHITE CAPPING WEIGHTING COEFFICIENT

Type: Real Dimension: 1

Mnemo CMOUT2 DEFAULT VALUE: 0.5

French keyword: COEFFICIENT DE PONDERATION POUR LE MOUTONNEMENT

White capping weighting coefficient.

Related keywords

WHITE CAPPING DISSIPATION

WHITE CAPPING DISSIPATION COEFFICIENT

# 1.188 WIND DRAG COEFFICIENT

Type: Real Dimension: 1

Mnemo CDRAG DEFAULT VALUE: 1.2875E-3

French keyword: COEFFICIENT DE TRAINEE DE VENT

Constant used in the wind source term.

Related keywords

WIND GENERATION

#### 1.189 WIND GENERATION

Type: Integer
Dimension: 0
Mnemo SVENT

DEFAULT VALUE: 0

French keyword: APPORTS DUS AU VENT

Selection of the type of modelling of the wind generation source term. If its value is 0, the wind generation is ignored; if its value is 1, it is integrated in accordance with the WAM cycle 4 formula; if its value is 2, it is integrated in accordance with the WAM cycle 3 formula; if its value is 3, it is integrated in accordance with the Yan (1987) expression.

# Related keywords

CONSIDERATION OF A WIND

WINDS FILE AIR DENSITY

WATER DENSITY

WIND GENERATION COEFFICIENT

VON KARMAN CONSTANT

CHARNOCK CONSTANT

SHIFT GROWING CURVE DUE TO WIND

WIND MEASUREMENTS LEVEL

WIND DRAG COEFFICIENT

WIND GENERATION COEFFICIENT A

WIND GENERATION COEFFICIENT B

WIND GENERATION COEFFICIENT C

WIND GENERATION COEFFICIENT D

WIND GENERATION COEFFICIENT TM

#### 1.190 WIND GENERATION COEFFICIENT

Type: Real Dimension: 1

Mnemo BETAM DEFAULT VALUE: 1.2

French keyword: COEFFICIENT DE GENERATION PAR LE VENT

Constant used in the wind source term.

Related keywords

WIND GENERATION

# 1.191 WIND MEASUREMENTS LEVEL

Type: Real
Dimension: 1
Mnemo ZVENT
DEFAULT VALUE: 10.

French keyword: COTE DE MESURE DES VENTS

Constant used in the wind source term.

# Related keywords

#### WIND GENERATION

# 1.192 WIND VELOCITY ALONG X

Type: Real Dimension: 1

Mnemo Variable VX\_CTE

DEFAULT VALUE: 0.

French keyword: VITESSE DU VENT SUIVANT X Wind velocity along X axis, constant and homogeneous (m/s)

Related keywords

CONSIDERATION OF A WIND

# 1.193 WIND VELOCITY ALONG Y

Type: Real Dimension: 1

Mnemo Variable VY\_CTE

DEFAULT VALUE: 0.

French keyword: VITESSE DU VENT SUIVANT Y Wind velocity along Y axis, constant and homogeneous (m/s)

Related keywords

CONSIDERATION OF A WIND

# 1.194 WINDS FILE FORMAT

Type: Integer
Dimension: 0
Mnemo INDIV
DEFAULT VALUE: 3

French keyword: FORMAT DU FICHIER DES VENTS

Selection of winds file format type:

- 3 = selafin, TELEMAC type
- 4 = user format (the venuti.f procedure should then be amended)

Related keywords

WINDS FILE TYPE WINDS FILE

# 1.195 YAN GENERATION COEFFICIENT D

Type: Real Dimension: 1

Mnemo Variable COEFWD

DEFAULT VALUE: 0.04

French keyword: COEFFICIENT DE GENERATION DE YAN D

Constant used in the wind source term of Yan (1987).

# Related keywords

WIND GENERATION

YAN GENERATION COEFFICIENT E YAN GENERATION COEFFICIENT H YAN GENERATION COEFFICIENT H

#### 1.196 YAN GENERATION COEFFICIENT E

Type: Real Dimension: 1

Mnemo Variable COEFWE

DEFAULT VALUE: 0.00552

French keyword: COEFFICIENT DE GENERATION DE YAN E

Constant used in the wind source term of Yan (1987).

# Related keywords

WIND GENERATION

YAN GENERATION COEFFICIENT D YAN GENERATION COEFFICIENT H YAN GENERATION COEFFICIENT H

# 1.197 YAN GENERATION COEFFICIENT F

Type: Real Dimension: 1

Mnemo Variable COEFWF

DEFAULT VALUE: 0.000052

French keyword: COEFFICIENT DE GENERATION DE YAN F

Constant used in the wind source term of Yan (1987).

# Related keywords

WIND GENERATION

YAN GENERATION COEFFICIENT D YAN GENERATION COEFFICIENT H YAN GENERATION COEFFICIENT H

# 1.198 YAN GENERATION COEFFICIENT H

Type: Real Dimension: 1

Mnemo Variable COEFWH

DEFAULT VALUE: -0.000302

French keyword: COEFFICIENT DE GENERATION DE YAN H

Constant used in the wind source term of Yan (1987).

# Related keywords

# WIND GENERATION

YAN GENERATION COEFFICIENT D YAN GENERATION COEFFICIENT E YAN GENERATION COEFFICIENT F

# 2. List of keywords classified according to type

#### 2.1 BOUNDARY CONDITIONS

BOUNDARY ANGULAR DISTRIBUTION FUNCTION

BOUNDARY DIRECTIONAL SPREAD 1

BOUNDARY DIRECTIONAL SPREAD 2

BOUNDARY MAIN DIRECTION 1

BOUNDARY MAIN DIRECTION 2

BOUNDARY MAXIMUM PEAK FREQUENCY

BOUNDARY MEAN FETCH VALUE

BOUNDARY PEAK FACTOR

BOUNDARY PEAK FREQUENCY

BOUNDARY PHILLIPS CONSTANT

BOUNDARY SIGNIFICANT WAVE HEIGHT

BOUNDARY SPECTRUM VALUE OF SIGMA-A

BOUNDARY SPECTRUM VALUE OF SIGMA-B

BOUNDARY WEIGHTING FACTOR FOR ADF

LIMIT SPECTRUM MODIFIED BY USER

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

# 2.2 COMPUTATION ENVIRONMENT

#### **2.2.1 INPUT**

NAMES OF VARIABLES

#### **BOUNDARY CONDITION FILE**

FILE WITH COORDINATES OF SPECTRA TO IMPOSE
IMPOSED SPECTRA FILE
IMPOSED SPECTRA FILE FORMAT
TIME SHIFT OF IMPOSED SPECTRA FILE
TIME UNIT OF IMPOSED SPECTRA FILE

#### **CURRENT FILE**

BINARY CURRENTS FILE
BINARY CURRENTS FILE FORMAT
CURRENTS FILE FORMAT
FORMATTED CURRENTS FILE
TIME INCREMENT NUMBER IN TELEMAC FILE
TIME SHIFT IN CURRENTS FILE
TIME UNIT IN CURRENTS FILE

#### DATA

BINARY DATA FILE 1 FORMAT
BINARY FILE 1
BOTTOM SMOOTHINGS
BOTTOM TOPOGRAPHY FILE
BOUNDARY CONDITIONS FILE
FORMATTED FILE 1
FORTRAN FILE
GEOMETRY FILE
GEOMETRY FILE FORMAT
NEXT COMPUTATION
PREVIOUS COMPUTATION FILE
PREVIOUS COMPUTATION FILE
REFERENCE FILE
REFERENCE FILE

#### **TIDAL FILE**

BINARY TIDAL WATER FILE FORMAT
BINARY TIDAL WATER LEVEL FILE
FORMATTED TIDAL WATER LEVEL FILE
RANK OF THE WATER LEVEL DATA IN THE TELEMAC FILE
TIDAL WATER LEVEL FILE FORMAT
TIME SHIFT IN TIDAL WATER LEVEL FILE
TIME UNIT IN TIDAL WATER LEVEL FILE

#### WIND FILE

BINARY WINDS FILE
BINARY WINDS FILE FORMAT
FORMATTED WINDS FILE
TIME SHIFT IN WINDS FILE
TIME UNIT IN WINDS FILE
WINDS FILE FORMAT

# **2.2.2 OUTPUT**

#### LISTING

PERIOD FOR LISTING PRINTOUTS

#### **RESULTS**

1D SPECTRA RESULTS FILE

2D RESULTS FILE

2D RESULTS FILE FORMAT

ABSCISSAE OF SPECTRUM PRINTOUT POINTS

FILE WITH COORDINATES OF SPECTRA TO WRITE

GLOBAL RESULT FILE

GLOBAL RESULT FILE FORMAT

NUMBER OF FIRST ITERATION FOR GRAPHICS PRINTOUTS

ORDINATES OF SPECTRUM PRINTOUT POINTS

PERIOD FOR GRAPHIC PRINTOUTS

PUNCTUAL RESULTS FILE

SPECTRUM FILE FORMAT

VARIABLES FOR 2D GRAPHIC PRINTOUTS

# 2.3 GENERAL PARAMETERS

#### 2.3.1 METEO

CONSIDERATION OF A STATIONARY CURRENT CONSIDERATION OF A WIND CONSIDERATION OF TIDE STATIONARY WIND TIDE REFRESHING PERIOD

WIND VELOCITY ALONG X

WIND VELOCITY ALONG Y

# 2.3.2 MISCELLANEOUS

CHECKING THE MESH

CONSIDERATION OF PROPAGATION

DEBUGGER

FINITE ELEMENT ASSEMBLY

NUMBER OF PRIVATE ARRAYS

PARALLEL PROCESSORS

PARTITIONING TOOL

RECOVERY OF TELEMAC DATA ITEM

TITLE

VALIDATION

# 2.3.3 OTHER DOMAIN DEFINITIONS

INFINITE DEPTH MINIMUM WATER DEPTH ORIGIN COORDINATES SPHERICAL COORDINATES TRIGONOMETRICAL CONVENTION

#### 2.3.4 SPECTRAL DISCRETISATION

FREQUENTIAL RATIO
MINIMAL FREQUENCY
NUMBER OF DIRECTIONS
NUMBER OF FREQUENCIES
OPTION FOR DIAGNOSTIC TAIL
SPECTRUM ENERGY THRESHOLD
SPECTRUM TAIL FACTOR

#### 2.3.5 TIME

DATE OF COMPUTATION BEGINNING INITIAL TIME SET TO ZERO NUMBER OF TIME STEP TIME STEP

# 2.4 INITIAL CONDITIONS

INITIAL ANGULAR DISTRIBUTION FUNCTION INITIAL DIRECTIONAL SPREAD 1 INITIAL DIRECTIONAL SPREAD 2 INITIAL MAIN DIRECTION 1 INITIAL MAIN DIRECTION 2 INITIAL MAXIMUM PEAK FREQUENCY INITIAL MEAN FETCH VALUE INITIAL PEAK FACTOR INITIAL PEAK FREQUENCY INITIAL PHILLIPS CONSTANT INITIAL SIGNIFICANT WAVE HEIGHT INITIAL STILL WATER LEVEL INITIAL VALUE OF SIGMA-A FOR SPECTRUM INITIAL VALUE OF SIGMA-B FOR SPECTRUM INITIAL WEIGHTING FACTOR FOR ADF TYPE OF INITIAL DIRECTIONAL SPECTRUM

#### 2.5 INTERNAL

DICTIONARY
LIST OF FILES
RELEASE
STEERING FILE
VECTOR LENGTH

# 2.6 SOURCE TERMS

BAJ MODELING
CONSIDERATION OF SOURCE TERMS

2.6 SOURCE TERMS 73

TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES

#### 2.6.1 BOTTOM FRICTION

BOTTOM FRICTION COEFFICIENT BOTTOM FRICTION DISSIPATION

#### 2.6.2 BREAKING

```
COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING
DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2
DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD
DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD
DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY
DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B
DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA
DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION
DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2
DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION
DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION
DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY
DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETAO
DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR
DEPTH-INDUCED BREAKING DISSIPATION
MAXIMUM VALUE OF THE RATIO HMO ON D
NUMBER OF BREAKING TIME STEPS
```

## 2.6.3 LIMITER

WAVE GROWTH LIMITER

## 2.6.4 NUMERICAL PARAMETERS

IMPLICITATION COEFFICIENT FOR SOURCE TERMS NUMBER OF ITERATIONS FOR THE SOURCE TERMS

#### 2.6.5 QUADRUPLET INTERACTIONS

```
NON-LINEAR TRANSFERS BETWEEN FREQUENCIES SETTING FOR INTEGRATION ON OMEGA1 SETTING FOR INTEGRATION ON THETA1
```

STANDARD CONFIGURATION PARAMETER
THRESHOLDO FOR CONFIGURATIONS ELIMINATION
THRESHOLD1 FOR CONFIGURATIONS ELIMINATION
THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

#### 2.6.6 STRONG CURRENT

DISSIPATION BY STRONG CURRENT
DISSIPATION COEFFICIENT FOR STRONG CURRENT

#### 2.6.7 TRIAD TRANSFERS

TRIAD INTERACTIONS

TRIADS 1 (LTA) COEFFICIENT ALPHA

TRIADS 1 (LTA) COEFFICIENT RFMLTA

TRIADS 2 (SPB) COEFFICIENT K

TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY

TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

#### 2.6.8 VEGETATION

VEGETATION TAKEN INTO ACCOUNT

#### 2.6.9 WHITE CAPPING

SATURATION THRESHOLD FOR THE DISSIPATION
WESTHUYSEN DISSIPATION COEFFICIENT
WESTHUYSEN WEIGHTING COEFFICIENT
WESTHUYSEN WHITE CAPPING DISSIPATION
WHITE CAPPING DISSIPATION
WHITE CAPPING DISSIPATION COEFFICIENT
WHITE CAPPING WEIGHTING COEFFICIENT

#### 2.6.10 WIND

AIR DENSITY
CHARNOCK CONSTANT
LINEAR WAVE GROWTH
SHIFT GROWING CURVE DUE TO WIND
VON KARMAN CONSTANT
WATER DENSITY
WIND DRAG COEFFICIENT
WIND GENERATION
WIND GENERATION COEFFICIENT
WIND MEASUREMENTS LEVEL
YAN GENERATION COEFFICIENT D
YAN GENERATION COEFFICIENT E
YAN GENERATION COEFFICIENT F

2.7 TRANSPORT 75

YAN GENERATION COEFFICIENT H

# 2.7 TRANSPORT

## 2.7.1 DIFFRACTION PARAMETERS

DIFFRACTION
DIFFRACTION FILTER
OPTION FOR SECOND DERIVATIVES
STARTING TIME STEP FOR DIFFFRACTION
VARIANCE THRESHOLD FOR DIFFRACTION

# 3. glossary

# 3.1 english/french glossary

[4	
1D SPECTRA RESULTS FILE	FICHIER DES RESULTATS SPECTRES
	1D
2D RESULTS FILE	FICHIER DES RESULTATS 2D
2D RESULTS FILE FORMAT	FORMAT DU FICHIER DES RESULTATS
	2D
ABSCISSAE OF SPECTRUM PRINTOUT	ABSCISSES DES POINTS DE SORTIE
POINTS	DU SPECTRE
AIR DENSITY	DENSITE DE L'AIR
BAJ MODELING	MODELISATION BAJ
BINARY CURRENTS FILE	FICHIER DES COURANTS BINAIRE
BINARY CURRENTS FILE FORMAT	FORMAT DU FICHIER DES COURANTS
	BINAIRE
BINARY DATA FILE 1 FORMAT	FORMAT DU FICHIER DE DONNEES
	BINAIRE 1
BINARY FILE 1	FICHIER BINAIRE 1
BINARY TIDAL WATER FILE FORMAT	FORMAT DU FICHIER DE LA MAREE
	BINAIRE
BINARY TIDAL WATER LEVEL FILE	FICHIER DU NIVEAU DE LA MAREE
	BINAIRE
BINARY WINDS FILE	FICHIER DES VENTS BINAIRE
BINARY WINDS FILE FORMAT	FORMAT DU FICHIER DES VENTS
	BINAIRE
BOTTOM FRICTION COEFFICIENT	COEFFICIENT DE FROTTEMENT SUR
	LE FOND
BOTTOM FRICTION DISSIPATION	DISSIPATION PAR FROTTEMENT SUR
	LE FOND
BOTTOM SMOOTHINGS	LISSAGES DU FOND
BOTTOM TOPOGRAPHY FILE	FICHIER DES FONDS
BOUNDARY ANGULAR DISTRIBUTION	FONCTION DE REPARTITION
FUNCTION	ANGULAIRE AUX LIMITES
	I

BOUNDARY CONDITIONS FILE	FICHIER DES CONDITIONS AUX LIMITES
BOUNDARY DIRECTIONAL SPREAD 1	ETALEMENT DIRECTIONNEL 1 AUX
BOUNDARY DIRECTIONAL SPREAD 1	LIMITES
BOUNDARY DIRECTIONAL SPREAD 2	ETALEMENT DIRECTIONNEL 2 AUX
	LIMITES
BOUNDARY MAIN DIRECTION 1	DIRECTION PRINCIPALE 1 AUX
	LIMITES
BOUNDARY MAIN DIRECTION 2	DIRECTION PRINCIPALE 2 AUX
	LIMITES
BOUNDARY MAXIMUM PEAK FREQUENCY	FREQUENCE DE PIC MAXIMALE AUX
DOONDAKI MAXIMOM LIAK LKIQOLNCI	LIMITES
DOUNDARY MEAN PETCH VALUE	VALEUR MOYENNE DU FETCH AUX
BOUNDARY MEAN FETCH VALUE	
	LIMITES
BOUNDARY PEAK FACTOR	FACTEUR DE PIC AUX LIMITES
BOUNDARY PEAK FREQUENCY	FREQUENCE DE PIC AUX LIMITES
BOUNDARY PHILLIPS CONSTANT	CONSTANTE DE PHILLIPS AUX
	LIMITES
BOUNDARY SIGNIFICANT WAVE	HAUTEUR SIGNIFICATIVE AUX
HEIGHT	LIMITES
BOUNDARY SPECTRUM VALUE OF	VALEUR AUX LIMITES DE SIGMA-A
SIGMA-A	POUR SPECTRE
BOUNDARY SPECTRUM VALUE OF	VALEUR AUX LIMITES DE SIGMA-B
SIGMA-B	POUR SPECTRE
BOUNDARY WEIGHTING FACTOR FOR	FACTEUR DE PONDERATION POUR FRA
ADF	AUX LIMITES
CHARNOCK CONSTANT	CONSTANTE DE CHARNOCK
CHECKING THE MESH	VERIFICATION DU MAILLAGE
COEFFICIENT OF THE TIME	COEFFICIENT POUR LES SOUS-PAS
SUB-INCREMENTS FOR BREAKING	DE TEMPS POUR LE DEFERLEMENT
CONSIDERATION OF A STATIONARY	
CURRENT	PRISE EN COMPTE D'UN COURANT STATIONNAIRE
CONSIDERATION OF A WIND	PRISE EN COMPTE DU VENT
CONSIDERATION OF PROPAGATION	PRISE EN COMPTE DE LA
	PROPAGATION
CONSIDERATION OF SOURCE TERMS	PRISE EN COMPTE DES TERMES
	SOURCES
CONSIDERATION OF TIDE	PRISE EN COMPTE DE LA MAREE
CURRENTS FILE FORMAT	FORMAT DU FICHIER DES COURANTS
DATE OF COMPUTATION BEGINNING	
	DATE DE DEBUT DU CALCUL
DEBUGGER	DEBUGGER
DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) CHOIX
CHARACTERISTIC FREQUENCY	FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) CONSTANTE
COEFFICIENT ALPHA	ALPHA
DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) CONSTANTE
COEFFICIENT GAMMA1	GAMMA1

DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) CONSTANTE
COEFFICIENT GAMMA2	GAMMA2
DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) MODE DE
HM COMPUTATION METHOD	CALCUL DE HM
DEPTH-INDUCED BREAKING 1 (BJ)	DEFERLEMENT 1 (BJ) MODE DE
QB COMPUTATION METHOD	CALCUL DE QB
DEPTH-INDUCED BREAKING 2 (TG)	DEFERLEMENT 2 (TG) CHOIX
CHARACTERISTIC FREQUENCY	FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 2 (TG)	DEFERLEMENT 2 (TG) CONSTANTE B
COEFFICIENT B	
DEPTH-INDUCED BREAKING 2 (TG)	DEFERLEMENT 2 (TG) CONSTANTE
COEFFICIENT GAMMA	GAMMA
DEPTH-INDUCED BREAKING 2 (TG)	DEFERLEMENT 2 (TG) FONCTION DE
WEIGHTING FUNCTION	PONDERATION
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) CHOIX
CHARACTERISTIC FREQUENCY	FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) CONSTANTE
COEFFICIENT ALPHA	ALPHA
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) CONSTANTE
COEFFICIENT GAMMA	GAMMA
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) CONSTANTE
COEFFICIENT GAMMA2	GAMMA2
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) EXPOSANT
EXPONENT WEIGHTING FUNCTION	FONCTION DE PONDERATION
DEPTH-INDUCED BREAKING 3 (RO)	DEFERLEMENT 3 (RO) DISTRIBUTION
WAVE HEIGHT DISTRIBUTION	DES HAUTEURS DE HOULE
DEPTH-INDUCED BREAKING 4 (IH)	DEFERLEMENT 4 (IH) CHOIX
CHARACTERISTIC FREQUENCY	FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 4 (IH)	DEFERLEMENT 4 (IH) CONSTANTE
COEFFICIENT BETA0	BETA0
DEPTH-INDUCED BREAKING 4 (IH)	DEFERLEMENT 4 (IH) CONSTANTE
COEFFICIENT M2STAR	M2STAR
DEPTH-INDUCED BREAKING	DISSIPATION PAR DEFERLEMENT
DISSIPATION	
DICTIONARY	DICTIONNAIRE
DIFFRACTION	DIFFRACTION
DIFFRACTION FILTER	FILTRE POUR DIFFRACTION
DISSIPATION BY STRONG CURRENT	DISSIPATION PAR FORT COURANT
DISSIPATION COEFFICIENT FOR	COEFFICIENT DE DISSIPATION PAR
STRONG CURRENT	FORT COURANT
FILE WITH COORDINATES OF	FICHIER DES COORDONNEES DE
SPECTRA TO IMPOSE	SPECTRES A IMPOSER
FILE WITH COORDINATES OF	FICHIER DES COORDONNEES DE
SPECTRA TO WRITE	SPECTRES A ECRIRE
FINITE ELEMENT ASSEMBLY	ASSEMBLAGE EN ELEMENTS FINIS
FORMATTED CURRENTS FILE	FICHIER DES COURANTS FORMATE
FORMATTED CORRENTS FILE FORMATTED FILE 1	FICHIER FORMATE 1
	I FICHIER FURMALE I

FORMATTED TIDAL WATER LEVEL	FICHIER DU NIVEAU DE LA MAREE
FILE FORMATTED WINDS FILE	FORMATE FICHIER DES VENTS FORMATE
FORTRAN FILE	FICHIER FORTRAN
FREQUENTIAL RATIO	RAISON FREQUENTIELLE
GEOMETRY FILE	FICHIER DE GEOMETRIE
GEOMETRY FILE FORMAT	
GLOBAL RESULT FILE	FORMAT DU FICHIER DE GEOMETRIE FICHIER DES RESULTATS GLOBAUX
GLOBAL RESULT FILE FORMAT	
	FORMAT DU FICHIER DES RESULTATS GLOBAUX
IMPLICITATION COEFFICIENT FOR	COEFFICIENT IMPLICITATION POUR
SOURCE TERMS	TERMES SOURCES
IMPOSED SPECTRA FILE	FICHIER DES SPECTRES IMPOSES
IMPOSED SPECTRA FILE FORMAT	FORMAT DU FICHIER DES SPECTRES IMPOSES
INFINITE DEPTH	PROFONDEUR INFINIE
INITIAL ANGULAR DISTRIBUTION	FONCTION DE REPARTITION
FUNCTION	ANGULAIRE INITIALE
INITIAL DIRECTIONAL SPREAD 1	ETALEMENT DIRECTIONNEL 1
	INITIAL
INITIAL DIRECTIONAL SPREAD 2	ETALEMENT DIRECTIONNEL 2
	INITIAL
INITIAL MAIN DIRECTION 1	DIRECTION PRINCIPALE 1 INITIALE
INITIAL MAIN DIRECTION 2	DIRECTION PRINCIPALE 2 INITIALE
INITIAL MAXIMUM PEAK FREQUENCY	FREQUENCE DE PIC MAXIMALE
	INITIALE
INITIAL MEAN FETCH VALUE	VALEUR MOYENNE DU FETCH INITIAL
INITIAL PEAK FACTOR	FACTEUR DE PIC INITIAL
INITIAL PEAK FREQUENCY	FREQUENCE DE PIC INITIALE
INITIAL PHILLIPS CONSTANT	CONSTANTE DE PHILLIPS INITIALE
INITIAL SIGNIFICANT WAVE HEIGHT	HAUTEUR SIGNIFICATIVE INITIALE
INITIAL STILL WATER LEVEL	COTE INITIALE DU PLAN D'EAU AU REPOS
INITIAL TIME SET TO ZERO	REMISE A ZERO DU TEMPS
INITIAL VALUE OF SIGMA-A FOR	VALEUR INITIALE DE SIGMA-A POUR
SPECTRUM	SPECTRE
INITIAL VALUE OF SIGMA-B FOR	VALEUR INITIALE DE SIGMA-B POUR
SPECTRUM	SPECTRE
INITIAL WEIGHTING FACTOR FOR	FACTEUR DE PONDERATION POUR FRA
ADF	INITIALE
LIMIT SPECTRUM MODIFIED BY USER	SPECTRE AUX LIMITES MODIFIE PAR L'UTILISATEUR
LINEAR WAVE GROWTH	CROISSANCE LINEAIRE DES VAGUES
LIST OF FILES	LISTE DES FICHIERS
MAXIMUM VALUE OF THE RATIO HMO	VALEUR MAXIMALE DU RAPPORT HMO
ON D	SUR D
MINIMAL FREQUENCY	FREQUENCE MINIMALE
11T14T1H7H T 17H X O D 14C T	TIVE XODIACE TITIATIJATE

MINITMINA DIAGRA DEDELL	DDOEONDEID DIENI MINIMATE
MINIMUM WATER DEPTH	PROFONDEUR D'EAU MINIMALE
NAMES OF VARIABLES	NOMS DES VARIABLES
NEXT COMPUTATION	SUITE DE CALCUL
NON-LINEAR TRANSFERS BETWEEN	TRANSFERTS NON LINEAIRES
FREQUENCIES	INTER-FREQUENCES
NUMBER OF BREAKING TIME STEPS	NOMBRE DE SOUS-PAS DE TEMPS
	POUR LE DEFERLEMENT
NUMBER OF DIRECTIONS	NOMBRE DE DIRECTIONS
NUMBER OF FIRST ITERATION FOR	NUMERO DE LA PREMIERE ITERATION
GRAPHICS PRINTOUTS	POUR LES SORTIES GRAPHIQUES
NUMBER OF FREQUENCIES	NOMBRE DE FREQUENCES
NUMBER OF ITERATIONS FOR THE	NOMBRE DE SOUS-ITERATIONS POUR
SOURCE TERMS	LES TERMES SOURCES
NUMBER OF PRIVATE ARRAYS	NOMBRE DE TABLEAUX PRIVES
NUMBER OF TIME STEP	NOMBRE DE PAS DE TEMPS
OPTION FOR DIAGNOSTIC TAIL	OPTION POUR LA QUEUE
	DIAGNOSTIQUE
OPTION FOR SECOND DERIVATIVES	OPTION POUR LES DERIVEES
	SECONDES
ORDINATES OF SPECTRUM PRINTOUT	ORDONNEES DES POINTS DE SORTIE
POINTS	DU SPECTRE
ORIGIN COORDINATES	COORDONNEES DE L'ORIGINE
PARALLEL PROCESSORS	PROCESSEURS PARALLELES
PARTITIONING TOOL	PARTITIONNEUR
PERIOD FOR GRAPHIC PRINTOUTS	PERIODE POUR LES SORTIES
	GRAPHIQUES
PERIOD FOR LISTING PRINTOUTS	PERIODE POUR LES SORTIES
	LISTING
PREVIOUS COMPUTATION FILE	FICHIER DU CALCUL PRECEDENT
PREVIOUS COMPUTATION FILE	FORMAT DU FICHIER DU CALCUL
FORMAT	PRECEDENT
PUNCTUAL RESULTS FILE	FICHIER DES RESULTATS PONCTUELS
RANK OF THE WATER LEVEL DATA IN	RANG DU NIVEAU DE LA MAREE DANS
THE TELEMAC FILE	LE FICHIER TELEMAC
RECOVERY OF TELEMAC DATA ITEM	RECUPERATION DE DONNEE TELEMAC
REFERENCE FILE	FICHIER DE REFERENCE
REFERENCE FILE FORMAT	FORMAT DU FICHIER DE REFERENCE
RELEASE	NUMERO DE VERSION
SATURATION THRESHOLD FOR THE	SEUIL DE SATURATION POUR LA
DISSIPATION	DISSIPATION
SETTING FOR INTEGRATION ON OMEGA1	REGLAGE POUR INTEGRATION SUR
	OMEGA1
SETTING FOR INTEGRATION ON	REGLAGE POUR INTEGRATION SUR
OMEGA2	OMEGA2
SETTING FOR INTEGRATION ON	REGLAGE POUR INTEGRATION SUR
THETA1	THETA1

DUE AU VENT  SPECTRUM ENERGY THRESHOLD  SPECTRUM FILE FORMAT  SPECTRUM FILE FORMAT  SPECTRUM FILE FORMAT  SPECTRUM TAIL FACTOR  SPHERICAL COORDINATES  COORDONNESS SPHERIQUES  STANDARD CONFIGURATION  PARAMETER  STANDARD  STANDARD  STANDARD  STATIONARY WIND  STATIONARY WIND  STEERING FILE  TERMS ON IMPOSED BOUNDARIES  ELIMINATION  THRESHOLD FOR CONFIGURATIONS  ELIMINATION  THRESHOLD FOR CONFIGURATIONS  ELIMINATION  TOAL WATER LEVEL FILE FORMAT  TIDEL WATER LEVEL FILE FORMAT  TIME INCREMENT NUMBER IN  TIME SHIFT IN CURRENTS FILE  TIME SHIFT IN CURRENTS FILE  TIME SHIFT IN WINDS FILE  TIME SHIFT IN TIDAL WATER LEVEL  FILE  TIME SHIFT IN WINDS FILE  TIME SHIFT IN TIDAL WATER LEVEL  FILE  TIME STEP  TIME STEP  TIME UNIT IN TIDAL WATER LEVEL  TIME STEP  TIME UNIT IN TIDAL WATER LEVEL  TIME STEP  TIME UNIT IN TIDAL WATER LEVEL  TIME UNIT OF IMPOSED SPECTRA  FILE  TIME UNIT IN TIDAL WATER LEVEL  TIME UNIT OF IMPOSED SPECTRA  TITRE  TITRE  TRANSFERTS ENTRE TRIPLETS DE  TRANSFERTS ENTRE TRIPLETS DE  TRANSFERTS ENTRE TRIPLETS DE  TRANSFERTS ENTRE TRIPLETS DE	SHIFT GROWING CURVE DUE TO WIND	DECALAGE COURBE DE CROISSANCE
SPECTRUM FILE FORMAT  SPECTRUM TAIL FACTOR  SPECTRUM TO ALL STANDARD  STANDARD CONFIGURATION  STANDARD CONFIGURATION  STANDARD  STANDARY WIND  VENT STATIONNAIRE  STEERING FILE  FICHIER DES PARAMETRES  TAKING INTO ACCOUNT SOURCE  TRESS ON IMPOSED BOUNDARIES  SOURCES SUR LES FRONTIERES  IMPOSEDS  THRESHOLDO FOR CONFIGURATIONS  ELIMINATION  CONFIGURATIONS  ELIMINATION  THRESHOLDI FOR CONFIGURATIONS  ELIMINATION  THRESHOLDI FOR CONFIGURATIONS  ELIMINATION  TIDAL WATER LEVEL FILE FORMAT  TOAL WATER LEVEL FILE FORMAT  TOAL WATER LEVEL FILE FORMAT  TIME INCREMENT NUMBER IN  TIME INCREMENT NUMBER IN  TIME SHIFT IN CURRENTS FILE  DEPHASAGE DU FICHIER DU NIVEAU  FILE  TIME SHIFT IN TIDAL WATER LEVEL  FICHIER TELEMAC  TIME SHIFT IN WINDS FILE  DEPHASAGE DU FICHIER DES  COURANTS  TIME SHIFT OF IMPOSED SPECTRA  DEPHASAGE DU FICHIER DES  TIME SHIFT OF IMPOSED SPECTRA  DEPHASAGE DU FICHIER DES  TIME UNIT IN CURRENTS FILE  UNITE DE TEMPS DU FICHIER DES  COURANTS  TIME UNIT IN TIDAL WATER LEVEL  FILE  TIME UNIT IN TIDAL WATER LEVEL  FILE  TIME UNIT IN TIDAL WATER LEVEL  FILE  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  COURANTS  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  COURANTS  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  COURANTS  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  TIME UNIT IN WINDS FILE  UNITE DE TEMPS DU FICHIER DES  SPECTRES IMPOSES  TITLE  TIME UNIT OF IMPOSED SPECTRA  UNITE DE TEMPS DU FICHIER DES  SPECTRES IMPOSES  TITLE  TITLE  TITLE  TITLE  TITLE  TITLE  TRIAD INTERACTIONS  TRANSFERTS ENTRE TRIPLETS DE	SHIFT GROWING CORVE DOE TO WIND	
SPECTRUM FILE FORMAT SPECTRUM TAIL FACTOR SPECTRUM TAIL FACTOR SPHERICAL COORDINATES SPHERICAL COORDINATES COORDONNESS SPHERIQUES STANDARD CONFIGURATION PARAMETER STANDARD STARTING TIME STEP FOR DIFFFRACTION STATIONARY WIND STERRING FILE TAKING INTO ACCOUNT SOURCE ELIMINATION STERRING ON IMPOSED BOUNDARIES SOURCES SUR LES FRONTIERES THRESHOLDO FOR CONFIGURATIONS ELIMINATION STELIMINATION SUBJECT ON SECULD ELIMINATION DE CONFIGURATIONS ELIMINATION SUBJECT ON SECULD SUBJECT ON SUBJECT ON SECULD SUBJECT ON	SPECTRUM ENERGY THRESHOLD	SEUIL D'ENERGIE CONSIDERE POUR
SPECTRUM TAIL FACTOR SPHERICAL COORDINATES COORDONNESS SPHERIQUES STANDARD CONFIGURATION PARAMETER STANDARD STARTING TIME STEP FOR DIFFFRACTION STATIONARY WIND STATIONARY WIND STEERING FILE TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES SOURCES SUR LES FRONTIERES THRESHOLDO FOR CONFIGURATIONS ELIMINATION THRESHOLD1 FOR CONFIGURATIONS ELIMINATION CONFIGURATIONS ELIMINATION SELIMINATION THRESHOLD2 FOR CONFIGURATIONS ELIMINATION SELIMINATION TIDAL WATER LEVEL FILE FORMAT TIDE REFRESHING PERIOD TIME SHIFT IN CURRENTS FILE TIME SHIFT IN TIDAL WATER LEVEL FILE TIME SHIFT IN WINDS FILE TIME SHIFT OF IMPOSED SPECTRA FILE TIME SHIFT OF IMPOSED SPECTRA FILE TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT IN WINDS FILE UNITE DE TEMPS DU FICHIER DES COURANTS TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT IN WINDS FILE UNITE DE TEMPS DU FICHIER DES COURANTS TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT IN WINDS FILE UNITE DE TEMPS DU FICHIER DES COURANTS TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT OF IMPOSED SPECTRA FILE TIME UNIT OF IMPOSED SPECTRA FILE TIME UNIT DE TEMPS DU FICHIER DES COURANTS TIME UNIT OF IMPOSED SPECTRA FILE TIME UNIT DE TEMPS DU FICHIER DES COURANTS TIME UNIT OF IMPOSED SPECTRA FILE TIME UNIT DE TEMPS DU FICHIER DES COURANTS TIME UNIT OF IMPOSED SPECTRA FILE TIME UNIT DE TEMPS DU FICHIER DES SPECTRES IMPOSES TITLE TIT		
SPHERICAL COORDINATES STANDARD CONFIGURATION PARAMETER STANDARD CONFIGURATION PARAMETER STARTING TIME STEP FOR DIFFFRACTION STATIONARY WIND STATIONARY WIND STEERING FILE FICHIER DES PARAMETRES TAKING INTO ACCOUNT SOURCE FIRSS ON IMPOSED BOUNDARIES SOURCES SUR LES FRONTIERES IMPOSES THRESHOLDO FOR CONFIGURATIONS ELIMINATION CONFIGURATIONS ELIMINATION SEULID ELIMINATION DE CONFIGURATIONS ELIMINATION SEULID ELIMINATION DE CONFIGURATIONS THRESHOLD2 FOR CONFIGURATIONS ELIMINATION CONFIGURATIONS TIDAL WATER LEVEL FILE FORMAT TIDE REFRESHING PERIOD FORMAT DU FICHIER DU NIVEAU DE LA MAREE  TIME INCREMENT NUMBER IN TELEMAC FILE TIME SHIFT IN CURRENTS FILE DEPHASAGE DU FICHIER DES COURANTS TIME SHIFT IN WINDS FILE DEPHASAGE DU FICHIER DES COURANTS TIME SHIFT IN WINDS FILE DEPHASAGE DU FICHIER DES COURANTS TIME SHIFT IN CURRENTS FILE DEPHASAGE DU FICHIER DES COURANTS TIME SHIFT IN TIDAL WATER LEVEL FILE TIME SHIFT IN TIDAL WATER LEVEL TIME SHIFT IN TIDAL WATER LEVEL TIME SHIFT OF IMPOSED SPECTRA FILE TIME STEP PAS DE TEMPS DU FICHIER DES COURANTS TIME UNIT IN CURRENTS FILE UNITE DE TEMPS DU FICHIER DE COURANTS TIME UNIT IN TIDAL WATER LEVEL UNITE DE TEMPS DU FICHIER DE COURANTS TIME UNIT IN TIDAL WATER LEVEL UNITE DE TEMPS DU FICHIER DE COURANTS TIME UNIT IN TIDAL WATER LEVEL UNITE DE TEMPS DU FICHIER DE COURANTS TIME UNIT IN TIDAL WATER LEVEL UNITE DE TEMPS DU FICHIER DE VENTS TIME UNIT IN WINDS FILE UNITE DE TEMPS DU FICHIER DE VENTS TIME UNIT IN WINDS FILE UNITE DE TEMPS DU FICHIER DE VENTS TIME UNIT OF IMPOSED SPECTRA TIME UNIT DE TEMPS DU FICHIER DE VENTS TIME UNIT OF IMPOSED SPECTRA UNITE DE TEMPS DU FICHIER DES VENTS TIME UNIT OF IMPOSED SPECTRA UNITE DE TEMPS DU FICHIER DES VENTS TIME UNIT OF IMPOSED SPECTRA UNITE DE TEMPS DU FICHIER DES VENTS TITLE	SPECTRUM FILE FORMAT	FORMAT DU FICHIER DE SPECTRE
STANDARD CONFIGURATION PARAMETER STARTING TIME STEP FOR DIFFFRACTION  STATIONARY WIND STATIONARY WIND STERING FILE TAKING INTO ACCOUNT SOURCE FICHER DES PARAMETRES TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES FIRMS ON IMPOSED BOUNDARIES THRESHOLDO FOR CONFIGURATIONS ELIMINATION THRESHOLD1 FOR CONFIGURATIONS ELIMINATION THRESHOLD2 FOR CONFIGURATIONS ELIMINATION TIDAL WATER LEVEL FILE FORMAT TIDE REFRESHING PERIOD TELEMAC FILE TIME SHIFT IN CURRENTS FILE TIME SHIFT IN TIDAL WATER LEVEL FILE TIME SHIFT IN WINDS FILE TIME SHIFT OF IMPOSED SPECTRA FILE TIME STEP TIME UNIT IN CURRENTS FILE UNITE DE TEMPS TO TEMPS TO THE TEMPS TO THE UNIT OF IMPOSED SPECTRA FILE TIME UNIT IN TIDAL WATER LEVEL FILE TIME UNIT TO THE TEMPS DU FICHIER DU FICHIER DES COURANTS THE UNIT OF IMPOSED SPECTRA FILE TIME UNIT OF IMPOSED SPECTRA TIME UNIT DE TEMPS DU FICHIER DES VENTS TIME UNIT OF IMPOSED SPECTRA TIME UNIT DE TEMPS DU FICHIER DES FILE TITLE TITLE TITLE TITLE TITLE TITLE TRANSFERTS ENTRE TRIPLETS DE		***
PARAMETER  STARTING TIME STEP FOR DIFFFRACTION  STATIONARY WIND  STEERING FILE  TAKING INTO ACCOUNT SOURCE THRESHOLDO FOR CONFIGURATIONS ELIMINATION  THRESHOLDO FOR CONFIGURATIONS ELIMINATION  THRESHOLDI FOR CONFIGURATIONS ELIMINATION  THRESHOLD2 FOR CONFIGURATIONS ELIMINATION  THRESHOLD2 FOR CONFIGURATIONS ELIMINATION  THRESHOLD3 FOR CONFIGURATIONS ELIMINATION  TOPIC CONFIGURATIONS ELIMINATION  TIDAL WATER LEVEL FILE FORMAT  TIDE REFRESHING PERIOD  TELEMAC FILE  TIME INCREMENT NUMBER IN  TIME SHIFT IN CURRENTS FILE  TIME SHIFT IN TIDAL WATER LEVEL  TIME SHIFT IN TIDAL WATER LEVEL  TIME SHIFT IN WINDS FILE  TIME SHIFT OF IMPOSED SPECTRA FILE  TIME STEP  TIME UNIT IN CURRENTS FILE  UNITE DE TEMPS DU FICHIER DES COURANTS  TIME STEP  TIME STEP  TIME UNIT IN CURRENTS FILE  UNITE DE TEMPS DU FICHIER DES COURANTS  TIME STEP  TIME UNIT IN TIDAL WATER LEVEL TIME UNIT TO TIMPOSED SPECTRA TITLE THE UNIT TO TIMPOSED SPECTRA TITLE TRANSFERTS ENTRE TRIPLETS DE		**
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DIFFFRACTION  STATIONARY WIND  STEERING FILE  FICHIER DES PARAMETRES  TAKING INTO ACCOUNT SOURCE  FRISE EN COMPTE DES TERMES  SOURCES SUR LES FRONTIERES  IMPOSEES  THRESHOLDO FOR CONFIGURATIONS  ELIMINATION  THRESHOLDI FOR CONFIGURATIONS  ELIMINATION  THRESHOLDI FOR CONFIGURATIONS  ELIMINATION  THRESHOLDI FOR CONFIGURATIONS  ELIMINATION  CONFIGURATIONS  SEUILL ELIMINATION DE  CONFIGURATIONS  TIDAL WATER LEVEL FILE FORMAT  TIDAL WATER LEVEL FILE FORMAT  TIDE REFRESHING PERIOD  PERIODE D'ACTUALISATION DE LA  MAREE  TIME INCREMENT NUMBER IN  NUMERO DU PAS DE TEMPS DU  TELEMAC FILE  TIME SHIFT IN CURRENTS FILE  DEPHASAGE DU FICHIER DES  COURANTS  TIME SHIFT IN WINDS FILE  DE LA MAREE  TIME SHIFT IN WINDS FILE  DE PHASAGE DU FICHIER DES VENTS  TIME STEP  PAS DE TEMPS  TIME UNIT IN CURRENTS FILE  UNITE DE TEMPS DU FICHIER DES  COURANTS  TIME UNIT IN TIDAL WATER LEVEL  TIME UNIT OF IMPOSED SPECTRA  TIME UNIT DE TEMPS DU FICHIER DES  VENTS  TIME UNIT OF IMPOSED SPECTRA  TIME UNITE DE TEMPS DU FICHIER DES  VENTS  TITLE  TITLE  TRIAD INTERACTIONS  TRANSFERTS ENTRE TRIPLETS DE		
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TRIAD INTERACTIONS TRANSFERTS ENTRE TRIPLETS DE	FILE	SPECTRES IMPOSES
	TITLE	TITRE
	TRIAD INTERACTIONS	

TRIADS 1 (LTA) COEFFICIENT ALPHA	TRIADS 1 (LTA) CONSTANTE ALPHA
	TDIADO 1 /ITA) CONCTANTE DEMITA
TRIADS 1 (LTA) COEFFICIENT	TRIADS 1 (LTA) CONSTANTE RFMLTA
RFMLTA	EDIADO O (ODD) CONCEANED I
TRIADS 2 (SPB) COEFFICIENT K	TRIADS 2 (SPB) CONSTANTE K
TRIADS 2 (SPB) LOWER	TRIADS 2 (SPB) BORNE
DIRECTIONAL BOUNDARY	DIRECTIONNELLE INFERIEURE
TRIADS 2 (SPB) UPPER	TRIADS 2 (SPB) BORNE
DIRECTIONAL BOUNDARY	DIRECTIONNELLE SUPERIEURE
TRIGONOMETRICAL CONVENTION	CONVENTION TRIGONOMETRIQUE
TYPE OF BOUNDARY DIRECTIONAL	TYPE DE SPECTRE DIRECTIONNEL
SPECTRUM	AUX LIMITES
TYPE OF INITIAL DIRECTIONAL	TYPE DE SPECTRE DIRECTIONNEL
SPECTRUM	INITIAL
VALIDATION	VALIDATION
VARIABLES FOR 2D GRAPHIC	VARIABLES POUR LES SORTIES
PRINTOUTS	GRAPHIQUES 2D
VARIANCE THRESHOLD FOR	SEUIL DE VARIANCE CONSIDEREE
DIFFRACTION	POUR DIFFRACTION
VECTOR LENGTH	LONGUEUR DU VECTEUR
VEGETATION TAKEN INTO ACCOUNT	PRISE EN COMPTE DE LA
	VEGETATION
VON KARMAN CONSTANT	CONSTANTE DE VON KARMAN
WATER DENSITY	DENSITE DE L'EAU
WAVE GROWTH LIMITER	LIMITEUR DE CROISSANCE
WESTHUYSEN DISSIPATION	COEFFICIENT DE DISSIPATION DE
COEFFICIENT	WESTHUYSEN
WESTHUYSEN WEIGHTING	COEFFICIENT DE PONDERATION DE
COEFFICIENT	WESTHUYSEN
WESTHUYSEN WHITE CAPPING	DISSIPATION PAR MOUTONNEMENT DE
DISSIPATION	WESTHUYSEN
WHITE CAPPING DISSIPATION	DISSIPATION PAR MOUTONNEMENT
WHITE CAPPING DISSIPATION	COEFFICIENT DE DISSIPATION PAR
COEFFICIENT	MOUTONNEMENT
WHITE CAPPING WEIGHTING	COEFFICIENT DE PONDERATION POUR
COEFFICIENT	LE MOUTONNEMENT
WIND DRAG COEFFICIENT	COEFFICIENT DE TRAINEE DE VENT
WIND GENERATION	APPORTS DUS AU VENT
WIND GENERATION WIND GENERATION COEFFICIENT	COEFFICIENT DE GENERATION PAR
MIND GENERALION COEFFICIENT	LE VENT
WIND MEASUREMENTS LEVEL	COTE DE MESURE DES VENTS
WIND VELOCITY ALONG X	VITESSE DU VENT SUIVANT X
WIND VELOCITY ALONG Y	VITESSE DU VENT SUIVANT Y
WINDS FILE FORMAT	FORMAT DU FICHIER DES VENTS
YAN GENERATION COEFFICIENT D	COEFFICIENT DE GENERATION DE
	YAN D

YAN GENERATION COEFFICIENT E	COEFFICIENT DE GENERATION DE
	YAN E
YAN GENERATION COEFFICIENT F	COEFFICIENT DE GENERATION DE
	YAN F
YAN GENERATION COEFFICIENT H	COEFFICIENT DE GENERATION DE
	YAN H

# 3.2 French/English glossary

ABSCISSES DES POINTS DE SORTIE	ABSCISSAE OF SPECTRUM PRINTOUT
DU SPECTRE	POINTS
APPORTS DUS AU VENT	WIND GENERATION
ASSEMBLAGE EN ELEMENTS FINIS	FINITE ELEMENT ASSEMBLY
COEFFICIENT DE DISSIPATION DE	WESTHUYSEN DISSIPATION
WESTHUYSEN	COEFFICIENT
COEFFICIENT DE DISSIPATION PAR	DISSIPATION COEFFICIENT FOR
FORT COURANT	STRONG CURRENT
COEFFICIENT DE DISSIPATION PAR	WHITE CAPPING DISSIPATION
MOUTONNEMENT	COEFFICIENT
COEFFICIENT DE FROTTEMENT SUR	BOTTOM FRICTION COEFFICIENT
LE FOND	
COEFFICIENT DE GENERATION DE	YAN GENERATION COEFFICIENT D
YAN D	
COEFFICIENT DE GENERATION DE	YAN GENERATION COEFFICIENT E
YAN E	
COEFFICIENT DE GENERATION DE	YAN GENERATION COEFFICIENT F
YAN F	
COEFFICIENT DE GENERATION DE	YAN GENERATION COEFFICIENT H
YAN H	
COEFFICIENT DE GENERATION PAR	WIND GENERATION COEFFICIENT
LE VENT	
COEFFICIENT DE PONDERATION DE	WESTHUYSEN WEIGHTING
WESTHUYSEN	COEFFICIENT
COEFFICIENT DE PONDERATION POUR	WHITE CAPPING WEIGHTING
LE MOUTONNEMENT	COEFFICIENT
COEFFICIENT DE TRAINEE DE VENT	WIND DRAG COEFFICIENT
COEFFICIENT IMPLICITATION POUR	IMPLICITATION COEFFICIENT FOR
TERMES SOURCES	SOURCE TERMS
COEFFICIENT POUR LES SOUS-PAS	COEFFICIENT OF THE TIME
DE TEMPS POUR LE DEFERLEMENT	SUB-INCREMENTS FOR BREAKING
CONSTANTE DE CHARNOCK	CHARNOCK CONSTANT
CONSTANTE DE PHILLIPS AUX	BOUNDARY PHILLIPS CONSTANT
LIMITES	THIRTAL DUTLITUC CONCERNS
CONSTANTE DE NON KARMAN	INITIAL PHILLIPS CONSTANT
CONSTANTE DE VON KARMAN	VON KARMAN CONSTANT
CONVENTION TRIGONOMETRIQUE	TRIGONOMETRICAL CONVENTION
COORDONNEES DE L'ORIGINE	ORIGIN COORDINATES
COORDONNEES SPHERIQUES	SPHERICAL COORDINATES

COTE DE MESURE DES VENTS	WIND MEASUREMENTS LEVEL
COTE INITIALE DU PLAN D'EAU AU	INITIAL STILL WATER LEVEL
REPOS	
CROISSANCE LINEAIRE DES VAGUES	LINEAR WAVE GROWTH
DATE DE DEBUT DU CALCUL	DATE OF COMPUTATION BEGINNING
DEBUGGER	DEBUGGER
DECALAGE COURBE DE CROISSANCE	SHIFT GROWING CURVE DUE TO WIND
DUE AU VENT	
DEFERLEMENT 1 (BJ) CHOIX	DEPTH-INDUCED BREAKING 1 (BJ)
FREQUENCE CARACTERISTIQUE	CHARACTERISTIC FREQUENCY
DEFERLEMENT 1 (BJ) CONSTANTE	DEPTH-INDUCED BREAKING 1 (BJ)
ALPHA	COEFFICIENT ALPHA
DEFERLEMENT 1 (BJ) CONSTANTE	DEPTH-INDUCED BREAKING 1 (BJ)
GAMMA1	COEFFICIENT GAMMA1
DEFERLEMENT 1 (BJ) CONSTANTE	DEPTH-INDUCED BREAKING 1 (BJ)
GAMMA2	COEFFICIENT GAMMA2
DEFERLEMENT 1 (BJ) MODE DE	DEPTH-INDUCED BREAKING 1 (BJ)
CALCUL DE HM	HM COMPUTATION METHOD
DEFERLEMENT 1 (BJ) MODE DE	DEPTH-INDUCED BREAKING 1 (BJ)
CALCUL DE QB	QB COMPUTATION METHOD
DEFERLEMENT 2 (TG) CHOIX	DEPTH-INDUCED BREAKING 2 (TG)
FREQUENCE CARACTERISTIQUE	CHARACTERISTIC FREQUENCY
DEFERLEMENT 2 (TG) CONSTANTE B	DEPTH-INDUCED BREAKING 2 (TG)   COEFFICIENT B
DEFERLEMENT 2 (TG) CONSTANTE	DEPTH-INDUCED BREAKING 2 (TG)
GAMMA	COEFFICIENT GAMMA
DEFERLEMENT 2 (TG) FONCTION DE	DEPTH-INDUCED BREAKING 2 (TG)
PONDERATION	WEIGHTING FUNCTION
DEFERLEMENT 3 (RO) CHOIX	DEPTH-INDUCED BREAKING 3 (RO)
FREQUENCE CARACTERISTIQUE	CHARACTERISTIC FREQUENCY
DEFERLEMENT 3 (RO) CONSTANTE	DEPTH-INDUCED BREAKING 3 (RO)
ALPHA	COEFFICIENT ALPHA
DEFERLEMENT 3 (RO) CONSTANTE	DEPTH-INDUCED BREAKING 3 (RO)
GAMMA	COEFFICIENT GAMMA
DEFERLEMENT 3 (RO) CONSTANTE	DEPTH-INDUCED BREAKING 3 (RO)
GAMMA2	COEFFICIENT GAMMA2
DEFERLEMENT 3 (RO) DISTRIBUTION	DEPTH-INDUCED BREAKING 3 (RO)
DES HAUTEURS DE HOULE	WAVE HEIGHT DISTRIBUTION
DEFERLEMENT 3 (RO) EXPOSANT	DEPTH-INDUCED BREAKING 3 (RO)
FONCTION DE PONDERATION	EXPONENT WEIGHTING FUNCTION
DEFERLEMENT 4 (IH) CHOIX	DEPTH-INDUCED BREAKING 4 (IH)
FREQUENCE CARACTERISTIQUE	CHARACTERISTIC FREQUENCY
DEFERLEMENT 4 (IH) CONSTANTE	DEPTH-INDUCED BREAKING 4 (IH)
BETA0	COEFFICIENT BETAO
DEFERLEMENT 4 (IH) CONSTANTE	DEPTH-INDUCED BREAKING 4 (IH)
M2STAR	COEFFICIENT M2STAR
DENSITE DE L'AIR	AIR DENSITY

DENSITE DE L'EAU	WATER DENSITY
DEPHASAGE DU FICHIER DES	TIME SHIFT IN CURRENTS FILE
COURANTS	
DEPHASAGE DU FICHIER DES	TIME SHIFT OF IMPOSED SPECTRA
SPECTRES IMPOSES	FILE
DEPHASAGE DU FICHIER DES VENTS	TIME SHIFT IN WINDS FILE
DEPHASAGE DU FICHIER DU NIVEAU	TIME SHIFT IN TIDAL WATER LEVEL
DE LA MAREE	FILE
DICTIONNAIRE	DICTIONARY
DIFFRACTION	DIFFRACTION
DIRECTION PRINCIPALE 1 AUX	BOUNDARY MAIN DIRECTION 1
LIMITES	
DIRECTION PRINCIPALE 1 INITIALE	INITIAL MAIN DIRECTION 1
DIRECTION PRINCIPALE 2 AUX	BOUNDARY MAIN DIRECTION 2
LIMITES	
DIRECTION PRINCIPALE 2 INITIALE	INITIAL MAIN DIRECTION 2
DISSIPATION PAR DEFERLEMENT	DEPTH-INDUCED BREAKING
	DISSIPATION
DISSIPATION PAR FORT COURANT	DISSIPATION BY STRONG CURRENT
DISSIPATION PAR FROTTEMENT SUR	BOTTOM FRICTION DISSIPATION
LE FOND	
DISSIPATION PAR MOUTONNEMENT	WHITE CAPPING DISSIPATION
DISSIPATION PAR MOUTONNEMENT DE	WESTHUYSEN WHITE CAPPING
WESTHUYSEN	DISSIPATION
ETALEMENT DIRECTIONNEL 1 AUX	BOUNDARY DIRECTIONAL SPREAD 1
LIMITES	
ETALEMENT DIRECTIONNEL 1	INITIAL DIRECTIONAL SPREAD 1
INITIAL	
ETALEMENT DIRECTIONNEL 2 AUX	BOUNDARY DIRECTIONAL SPREAD 2
LIMITES	
ETALEMENT DIRECTIONNEL 2	INITIAL DIRECTIONAL SPREAD 2
INITIAL	
FACTEUR DE PIC AUX LIMITES	BOUNDARY PEAK FACTOR
FACTEUR DE PIC INITIAL	INITIAL PEAK FACTOR
FACTEUR DE PONDERATION POUR FRA	BOUNDARY WEIGHTING FACTOR FOR
AUX LIMITES	ADF
FACTEUR DE PONDERATION POUR FRA	INITIAL WEIGHTING FACTOR FOR
INITIALE DI CRECTRE	ADF
FACTEUR DE QUEUE DU SPECTRE	SPECTRUM TAIL FACTOR
FICHIER BINAIRE 1 FICHIER DE GEOMETRIE	BINARY FILE 1
	GEOMETRY FILE
FICHIER DE REFERENCE FICHIER DES CONDITIONS AUX	REFERENCE FILE BOUNDARY CONDITIONS FILE
LIMITES	DOONDAKI CONDITIONS FILE
FICHIER DES COORDONNEES DE	FILE WITH COORDINATES OF
SPECTRES A ECRIRE	SPECTRA TO WRITE
DITIOTALD W ECKTIVE	DI DOING TO MITTE

FICHIER DES COORDONNEES DE	FILE WITH COORDINATES OF
SPECTRES A IMPOSER	SPECTRA TO IMPOSE
FICHIER DES COURANTS BINAIRE	BINARY CURRENTS FILE
FICHIER DES COURANTS FORMATE	FORMATTED CURRENTS FILE
FICHIER DES FONDS	BOTTOM TOPOGRAPHY FILE
FICHIER DES PARAMETRES	STEERING FILE
FICHIER DES RESULTATS 2D	2D RESULTS FILE
FICHIER DES RESULTATS GLOBAUX	GLOBAL RESULT FILE
FICHIER DES RESULTATS PONCTUELS	PUNCTUAL RESULTS FILE
FICHIER DES RESULTATS SPECTRES	1D SPECTRA RESULTS FILE
1D	
FICHIER DES SPECTRES IMPOSES	IMPOSED SPECTRA FILE
FICHIER DES VENTS BINAIRE	BINARY WINDS FILE
FICHIER DES VENTS FORMATE	FORMATTED WINDS FILE
FICHIER DU CALCUL PRECEDENT	PREVIOUS COMPUTATION FILE
FICHIER DU NIVEAU DE LA MAREE	BINARY TIDAL WATER LEVEL FILE
BINAIRE	
FICHIER DU NIVEAU DE LA MAREE	FORMATTED TIDAL WATER LEVEL
FORMATE	FILE
FICHIER FORMATE 1	FORMATTED FILE 1
FICHIER FORTRAN	FORTRAN FILE
FILTRE POUR DIFFRACTION	DIFFRACTION FILTER
FONCTION DE REPARTITION	BOUNDARY ANGULAR DISTRIBUTION
ANGULAIRE AUX LIMITES	FUNCTION
FONCTION DE REPARTITION	INITIAL ANGULAR DISTRIBUTION
ANGULAIRE INITIALE	FUNCTION
FORMAT DU FICHIER DE DONNEES	BINARY DATA FILE 1 FORMAT
BINAIRE 1	
FORMAT DU FICHIER DE GEOMETRIE	GEOMETRY FILE FORMAT
FORMAT DU FICHIER DE LA MAREE	BINARY TIDAL WATER FILE FORMAT
BINAIRE	
FORMAT DU FICHIER DE REFERENCE	REFERENCE FILE FORMAT
FORMAT DU FICHIER DE SPECTRE	SPECTRUM FILE FORMAT
FORMAT DU FICHIER DES COURANTS	CURRENTS FILE FORMAT
FORMAT DU FICHIER DES COURANTS	BINARY CURRENTS FILE FORMAT
BINAIRE	
FORMAT DU FICHIER DES RESULTATS	2D RESULTS FILE FORMAT
2D	
FORMAT DU FICHIER DES RESULTATS	GLOBAL RESULT FILE FORMAT
GLOBAUX	
FORMAT DU FICHIER DES SPECTRES	IMPOSED SPECTRA FILE FORMAT
IMPOSES	
FORMAT DU FICHIER DES VENTS	WINDS FILE FORMAT
FORMAT DU FICHIER DES VENTS	BINARY WINDS FILE FORMAT
BINAIRE	
FORMAT DU FICHIER DU CALCUL	PREVIOUS COMPUTATION FILE
PRECEDENT	FORMAT
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FORMAT DU FICHIER DU NIVEAU DE LA MAREE	TIDAL WATER LEVEL FILE FORMAT
FREQUENCE DE PIC AUX LIMITES	BOUNDARY PEAK FREQUENCY
FREQUENCE DE PIC INITIALE	INITIAL PEAK FREQUENCY
FREQUENCE DE PIC MAXIMALE AUX	BOUNDARY MAXIMUM PEAK FREQUENCY
LIMITES	
FREQUENCE DE PIC MAXIMALE	INITIAL MAXIMUM PEAK FREQUENCY
INITIALE	
FREQUENCE MINIMALE	MINIMAL FREQUENCY
HAUTEUR SIGNIFICATIVE AUX	BOUNDARY SIGNIFICANT WAVE
LIMITES	HEIGHT
HAUTEUR SIGNIFICATIVE INITIALE	INITIAL SIGNIFICANT WAVE HEIGHT
LIMITEUR DE CROISSANCE	WAVE GROWTH LIMITER
LISSAGES DU FOND	BOTTOM SMOOTHINGS
LISTE DES FICHIERS	LIST OF FILES
LONGUEUR DU VECTEUR	VECTOR LENGTH
MODELISATION BAJ	BAJ MODELING
NOMBRE DE DIRECTIONS	NUMBER OF DIRECTIONS
NOMBRE DE FREQUENCES	NUMBER OF FREQUENCIES
NOMBRE DE PAS DE TEMPS	NUMBER OF TIME STEP
NOMBRE DE SOUS-ITERATIONS POUR	NUMBER OF ITERATIONS FOR THE
LES TERMES SOURCES	SOURCE TERMS
NOMBRE DE SOUS-PAS DE TEMPS	NUMBER OF BREAKING TIME STEPS
POUR LE DEFERLEMENT	NUMBER OF BRIDGE ARRAYS
NOMBRE DE TABLEAUX PRIVES	NUMBER OF PRIVATE ARRAYS
NOMS DES VARIABLES	NAMES OF VARIABLES
NUMERO DE LA PREMIERE ITERATION POUR LES SORTIES GRAPHIQUES	NUMBER OF FIRST ITERATION FOR GRAPHICS PRINTOUTS
NUMERO DE VERSION	RELEASE
NUMERO DU PAS DE TEMPS DU	TIME INCREMENT NUMBER IN
FICHIER TELEMAC	TELEMAC FILE
OPTION POUR LA OUEUE	OPTION FOR DIAGNOSTIC TAIL
DIAGNOSTIQUE	
OPTION POUR LES DERIVEES	OPTION FOR SECOND DERIVATIVES
SECONDES	
ORDONNEES DES POINTS DE SORTIE	ORDINATES OF SPECTRUM PRINTOUT
DU SPECTRE	POINTS
PARAMETRE DE LA CONFIGURATION	STANDARD CONFIGURATION
STANDARD	PARAMETER
PARTITIONNEUR	PARTITIONING TOOL
PAS DE TEMPS	TIME STEP
PAS DE TEMPS DEBUT DIFFRACTION	STARTING TIME STEP FOR
	DIFFFRACTION
PERIODE D'ACTUALISATION DE LA	TIDE REFRESHING PERIOD
MAREE	
PERIODE POUR LES SORTIES	PERIOD FOR GRAPHIC PRINTOUTS
GRAPHIQUES	

	T
PERIODE POUR LES SORTIES	PERIOD FOR LISTING PRINTOUTS
LISTING	
PRISE EN COMPTE D'UN COURANT	CONSIDERATION OF A STATIONARY
STATIONNAIRE	CURRENT
PRISE EN COMPTE DE LA MAREE	CONSIDERATION OF TIDE
PRISE EN COMPTE DE LA	CONSIDERATION OF PROPAGATION
PROPAGATION	
PRISE EN COMPTE DE LA	VEGETATION TAKEN INTO ACCOUNT
VEGETATION	
PRISE EN COMPTE DES TERMES	CONSIDERATION OF SOURCE TERMS
SOURCES	
PRISE EN COMPTE DES TERMES	TAKING INTO ACCOUNT SOURCE
SOURCES SUR LES FRONTIERES	TERMS ON IMPOSED BOUNDARIES
IMPOSEES	
PRISE EN COMPTE DU VENT	CONSIDERATION OF A WIND
PROCESSEURS PARALLELES	PARALLEL PROCESSORS
PROFONDEUR D'EAU MINIMALE	MINIMUM WATER DEPTH
PROFONDEUR INFINIE	INFINITE DEPTH
RAISON FREQUENTIELLE	FREQUENTIAL RATIO
RANG DU NIVEAU DE LA MAREE DANS	RANK OF THE WATER LEVEL DATA IN
LE FICHIER TELEMAC	THE TELEMAC FILE
RECUPERATION DE DONNEE TELEMAC	RECOVERY OF TELEMAC DATA ITEM
REGLAGE POUR INTEGRATION SUR	SETTING FOR INTEGRATION ON
OMEGA1	OMEGA1
REGLAGE POUR INTEGRATION SUR	SETTING FOR INTEGRATION ON
OMEGA2	OMEGA2
REGLAGE POUR INTEGRATION SUR	SETTING FOR INTEGRATION ON
THETA1	THETA1
REMISE A ZERO DU TEMPS	INITIAL TIME SET TO ZERO
SEUIL D'ENERGIE CONSIDERE POUR	SPECTRUM ENERGY THRESHOLD
LE SPECTRE	
SEUIL DE SATURATION POUR LA	SATURATION THRESHOLD FOR THE
DISSIPATION	DISSIPATION
SEUIL DE VARIANCE CONSIDEREE	VARIANCE THRESHOLD FOR
POUR DIFFRACTION	DIFFRACTION
SEUILO ELIMINATION DE	THRESHOLDO FOR CONFIGURATIONS
CONFIGURATIONS	ELIMINATION
SEUIL1 ELIMINATION DE	THRESHOLD1 FOR CONFIGURATIONS
CONFIGURATIONS	ELIMINATION
SEUIL2 ELIMINATION DE	THRESHOLD2 FOR CONFIGURATIONS
CONFIGURATIONS	ELIMINATION
SPECTRE AUX LIMITES MODIFIE PAR	LIMIT SPECTRUM MODIFIED BY USER
L'UTILISATEUR	
SUITE DE CALCUL	NEXT COMPUTATION
TITRE	TITLE
TRANSFERTS ENTRE TRIPLETS DE	TRIAD INTERACTIONS
FREQUENCES	TIVID TIVIDIACTIONS
T 1/17 \(\rightarrow\)	

Bibliography 89

TRANSFERTS NON LINEAIRES	NON-LINEAR TRANSFERS BETWEEN
INTER-FREQUENCES	FREOUENCIES
TRIADS 1 (LTA) CONSTANTE ALPHA	TRIADS 1 (LTA) COEFFICIENT
, , , , ,	ALPHA
TRIADS 1 (LTA) CONSTANTE RFMLTA	TRIADS 1 (LTA) COEFFICIENT
, , , , ,	RFMLTA
TRIADS 2 (SPB) BORNE	TRIADS 2 (SPB) LOWER
DIRECTIONNELLE INFERIEURE	DIRECTIONAL BOUNDARY
TRIADS 2 (SPB) BORNE	TRIADS 2 (SPB) UPPER
DIRECTIONNELLE SUPERIEURE	DIRECTIONAL BOUNDARY
TRIADS 2 (SPB) CONSTANTE K	TRIADS 2 (SPB) COEFFICIENT K
TYPE DE SPECTRE DIRECTIONNEL	TYPE OF BOUNDARY DIRECTIONAL
AUX LIMITES	SPECTRUM
TYPE DE SPECTRE DIRECTIONNEL	TYPE OF INITIAL DIRECTIONAL
INITIAL	SPECTRUM
UNITE DE TEMPS DU FICHIER DES	TIME UNIT IN CURRENTS FILE
COURANTS	
UNITE DE TEMPS DU FICHIER DES	TIME UNIT OF IMPOSED SPECTRA
SPECTRES IMPOSES	FILE
UNITE DE TEMPS DU FICHIER DES	TIME UNIT IN WINDS FILE
VENTS	
UNITE DE TEMPS DU FICHIER DU	TIME UNIT IN TIDAL WATER LEVEL
NIVEAU DE LA MAREE	FILE
VALEUR AUX LIMITES DE SIGMA-A	BOUNDARY SPECTRUM VALUE OF
POUR SPECTRE	SIGMA-A
VALEUR AUX LIMITES DE SIGMA-B	BOUNDARY SPECTRUM VALUE OF
POUR SPECTRE	SIGMA-B
VALEUR INITIALE DE SIGMA-A POUR	INITIAL VALUE OF SIGMA-A FOR
SPECTRE	SPECTRUM
VALEUR INITIALE DE SIGMA-B POUR	INITIAL VALUE OF SIGMA-B FOR
SPECTRE	SPECTRUM
VALEUR MAXIMALE DU RAPPORT HMO	MAXIMUM VALUE OF THE RATIO HM0
SUR D	ON D
VALEUR MOYENNE DU FETCH AUX	BOUNDARY MEAN FETCH VALUE
LIMITES	
VALEUR MOYENNE DU FETCH INITIAL	INITIAL MEAN FETCH VALUE
VALIDATION	VALIDATION
VARIABLES POUR LES SORTIES	VARIABLES FOR 2D GRAPHIC
GRAPHIQUES 2D	PRINTOUTS
VENT STATIONNAIRE	STATIONARY WIND
VERIFICATION DU MAILLAGE	CHECKING THE MESH
VITESSE DU VENT SUIVANT X	WIND VELOCITY ALONG X
VITESSE DU VENT SUIVANT Y	WIND VELOCITY ALONG Y

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