TOMAWAC

Reference Manual

Version v8p5
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Contents

1. Detail list of keywords

1.1 1D SPECTRA RESULTS FILE

Type :	String
Dimension :	0
Mnemo	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	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 BETA 2 SURFACE ROLLERS

Type : Real
Dimension : 1
Mnemo BETA_2_SURFROL
DEFAULT VALUE : 1.0D0
French keyword : `BETA 2 ROLLERS SURFACE`

Beta_2 parameter to influence the dissipation of surface rollers

1.8 BETA S SURFACE ROLLERS

Type : Real
Dimension : 1
Mnemo BETA_S_SURFROL
DEFAULT VALUE : 0.1D0
French keyword : `BETA S ROLLERS SURFACE`

Beta_s parameter to influence the dissipation of surface rollers

1.9 BINARY CURRENTS FILE

Type : String
Dimension : 0
Mnemo 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

1.10 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

1.11 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

1.12 BINARY FILE 1

Type : String
Dimension : 0
Mnemo WAC_FILES(WACBI1)
DEFAULT VALUE : ”
French keyword : `FICHIER BINAIRE 1`
Binary-coded data file made available to the user.

1.13 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

1.14 BINARY TIDAL WATER LEVEL FILE

Type : String
Dimension : 0
Mnemo 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

1.15 BINARY WINDS FILE

Type : String
Dimension : 0
Mnemo 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

1.16 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

1.17 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

1.18 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

1.19 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.

1.20 BOTTOM TOPOGRAPHY FILE

Type :	String
Dimension :	0
Mnemo	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.

1.21 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)
- 4 : Mitsuyasu with $s=(F/fp)^5$ or $s=(F/fp)^{-2.5}$

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

Related keywords
TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

1.22 BOUNDARY CONDITION BEFORE TIME STEP

Type : Logical
Dimension : 0
Mnemo AVANT
DEFAULT VALUE : .FALSE.
French keyword : `CONDITION LIMITE AVANT LE PAS DE TEMPS`
Indicates whether boundary condition is taken into account before or after time step

1.23 BOUNDARY CONDITIONS FILE

Type : String
Dimension : 0
Mnemo 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.

1.24 BOUNDARY DIRECTIONAL SPREAD 1

Type : Real
Dimension : 1
Mnemo 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
TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

1.25 BOUNDARY DIRECTIONAL SPREAD 2

Type : Real
Dimension : 1
Mnemo 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

1.26 BOUNDARY MAIN DIRECTION 1

Type : Real
Dimension : 1
Mnemo 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

1.27 BOUNDARY MAIN DIRECTION 2

Type : Real
Dimension : 1
Mnemo 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

1.28 BOUNDARY MAXIMUM PEAK FREQUENCY

Type : Real
Dimension : 1
Mnemo 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

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

1.29 BOUNDARY MEAN FETCH VALUE

Type : Real
Dimension : 1
Mnemo 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

1.30 BOUNDARY PEAK FACTOR

Type : Real
Dimension : 1
Mnemo 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

1.31 BOUNDARY PEAK FREQUENCY

Type : Real
Dimension : 1
Mnemo 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

1.32 BOUNDARY PHILLIPS CONSTANT

Type : Real
Dimension : 1
Mnemo APHILL
DEFAULT VALUE : 0.0081
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

TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

1.33 BOUNDARY SIGNIFICANT WAVE HEIGHT

Type : Real
Dimension : 1
Mnemo 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

1.34 BOUNDARY SPECTRUM VALUE OF SIGMA-A

Type : Real
Dimension : 1
Mnemo 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

1.35 BOUNDARY SPECTRUM VALUE OF SIGMA-B

Type : Real
Dimension : 1
Mnemo 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

1.36 BOUNDARY WEIGHTING FACTOR FOR ADF

Type : Real
Dimension : 1
Mnemo 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
TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

1.37 BULK DRAG COEFFICIENT

Type : Real
Dimension : 1
Mnemo BDC
DEFAULT VALUE : 0.2
French keyword : `COEFFICIENT DE TRAINEE`
constant used in the vegetation source term

Related keywords
VEGETATION TAKEN INTO ACCOUNT VEGETATION DISSIPATION COEFFICIENT NUMBER OF PLANTS M2 STEM DIAMETER VEGETATION HEIGHT

1.38 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

1.39 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.

1.40 COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING

Type : Real
Dimension : 1
Mnemo 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

1.41 CONCATENATE PARTEL OUTPUT

Type : Logical
Dimension : 1
Mnemo CONCAT_PARTEL
DEFAULT VALUE : NO
French keyword : `CONCATENATION SORTIE PARTEL`
With this option partel no more generates a file (GEO/CLI/PAR) per process but a single concatenate file of them, associated to an index file. Then instead of having partel generating 3P files, it only generates 6 files.

1.42 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

1.43 CONSIDERATION OF A WIND

Type : Logical
Dimension : 1
Mnemo 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

1.44 CONSIDERATION OF PROPAGATION

Type : Logical
Dimension : 0
Mnemo PROP
DEFAULT VALUE : .TRUE.
French keyword : `PRISE EN COMPTE DE LA PROPAGATION`

Indicates whether propagation is taken into account.

1.45 CONSIDERATION OF SOURCE TERMS

Type : Logical
Dimension : 1
Mnemo 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

1.46 CONSIDERATION OF TIDE

Type : Logical
Dimension : 1
Mnemo 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

1.47 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 couuti.f procedure should then be amended)

Related keywords
CURRENTS BINARY FILE
CURRENTS FORMATTED FILE

1.48 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

1.49 DEBUGGER

Type :	Integer
Dimension :	1
Mnemo	DEBUG
DEFAULT VALUE :	0
French keyword :	`DEBUGGER`

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

1.50 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

1.51 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

1.52 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

1.53 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

1.54 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

1.55 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

1.56 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) COEFFICIENT B DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

1.57 DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B

Type : Real
Dimension : 1
Mnemo 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

1.58 DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA

Type : Real
Dimension : 1
Mnemo 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

1.59 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

1.60 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

1.61 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA

Type : Real
Dimension : 1
Mnemo 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

1.62 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA

Type : Real
Dimension : 1
Mnemo 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

1.63 DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2

Type : Real
Dimension : 1
Mnemo 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

1.64 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

1.65 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

1.66 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

1.67 DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0

Type : Real
Dimension : 1
Mnemo BETAIH
DEFAULT VALUE : 1.8
French keyword : `DEFERLEMENT 4 (IH) CONSTANTE BETA0`
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

1.68 DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR

Type : Real
Dimension : 1
Mnemo 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

1.69 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).

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

1.70 DICTIONARY

Type :	String
Dimension :	1
Mnemo	
DEFAULT VALUE :	'tomawac.dico'
French keyword :	`DICTIONNAIRE`

Key word dictionary.

1.71 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

1.72 DIFFRACTION FILTER

Type :	Logical
Dimension :	0
Mnemo	FLTDIF
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

1.73 DISSIPATION BY STRONG CURRENT

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

1.74 DISSIPATION COEFFICIENT FOR STRONG CURRENT

Type :	Real
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

1.75 ECRET FOR SMALL HEIGHT

Type : Logical
Dimension : 0
Mnemo ECRET
DEFAULT VALUE : .TRUE.
French keyword : ECRETAGE POUR HAUTEUR PETITE
Indicates whether wave height is null for very small heigth of water

1.76 FILE WITH COORDINATES OF SPECTRA TO IMPOSE

Type : String
Dimension : 0
Mnemo 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

1.77 FILE WITH COORDINATES OF SPECTRA TO WRITE

Type : String
Dimension : 0
Mnemo 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.

1.78 FILE WITH DEFINITION OF POLYGONS

Type : String
Dimension : 0
Mnemo WAC_FILES(WACZON)
DEFAULT VALUE : ”
French keyword : FICHIER DE DEFINITION DES POLYGONES
Text file containing a list of polygons.

Related keywords

1.79 FINITE ELEMENT ASSEMBLY

Type : Integer
Dimension : 0
Mnemo MODASS
DEFAULT VALUE : 1
French keyword : `ASSEMBLAGE EN ELEMENTS FINIS`
1: normal 2: with I8 integers

1.80 FORMATTED CURRENTS FILE

Type : String
Dimension : 0
Mnemo 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

1.81 FORMATTED FILE 1

Type : String
Dimension : 0
Mnemo WAC_FILES(WACFO1)
DEFAULT VALUE : ”
French keyword : `FICHIER FORMATE 1`
Formatted data file made available to the user.

1.82 FORMATTED TIDAL WATER LEVEL FILE

Type : String
Dimension : 0
Mnemo 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

1.83 FORMATTED WINDS FILE

Type :	String
Dimension :	0
Mnemo	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

1.84 FORTRAN FILE

Type :	String
Dimension :	1
Mnemo	NOMFOR
DEFAULT VALUE :	”
French keyword :	`FICHIER FORTRAN`

Name of FORTRAN file to be submitted.

1.85 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

1.86 GEOMETRY FILE

Type :	String
Dimension :	0
Mnemo	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

1.87 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

1.88 GLOBAL RESULT FILE

Type : String
Dimension : 0
Mnemo 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

1.89 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

1.90 GODA COEFFICIENT FOR ANGULAR SPEADING

Type : Real
Dimension : 1
Mnemo SMAX
DEFAULT VALUE : 25.
French keyword : `COEFFICIENT DE GODA POUR LOI DE REPARTITION ANGULAIR`

Is part of the set of constants used for computing the initial directional spectrum as a function of the wind field. This coefficient is in the formula of Goda formulation. It should be 10Wind

waves, 25 swell short decay, 75 long decay but other values are accepted.

Related keywords

INITIAL ANGULAR DISTRIBUTION FUNCTION

1.91 IMPLICITATION COEFFICIENT FOR SOURCE TERMS

Type :	Real
Dimension :	1
Mnemo	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

1.92 IMPOSED SPECTRA FILE

Type :	String
Dimension :	0
Mnemo	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

1.93 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

1.94 INFINITE DEPTH

Type : Logical
Dimension : 1
Mnemo PROINF
DEFAULT VALUE : .FALSE.
French keyword : `PROFONDEUR INFINIE`

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

1.95 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)
- 4 : Mitsuyasu with $s=(F/fp)^5$ or $s=(F/fp)^{-2.5}$

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

Related keywords

TYPE OF INITIAL DIRECTIONAL SPECTRUM

1.96 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

1.97 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

1.98 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

1.99 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

1.100 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

1.101 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

1.102 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

1.103 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

1.104 INITIAL PHILLIPS CONSTANT

Type : Real
Dimension : 1
Mnemo ALPHIL
DEFAULT VALUE : 0.0081
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

1.105 INITIAL SIGNIFICANT WAVE HEIGHT

Type : Real
Dimension : 1
Mnemo HM0I
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

1.106 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.

1.107 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

1.108 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

1.109 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

1.110 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

1.111 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

1.112 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

1.113 MAXIMUM VALUE OF THE RATIO HM0 ON D

Type :	Real
Dimension :	1
Mnemo	COEFHS
DEFAULT VALUE :	1.
French keyword :	`VALEUR MAXIMALE DU RAPPORT HM0 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

1.114 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 FREQUENTIAL 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

1.115 MINIMUM WATER DEPTH

Type :	Real
Dimension :	1
Mnemo	PROMIN
DEFAULT VALUE :	0.1
French keyword :	`PROFONDEUR D'EAU MINIMALE`

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

1.116 NAMES OF VARIABLES

Type :	String
Dimension :	5
Mnemo	NAMEU,NAMEV,NAMEWX,NAMEWY,NAMEH
DEFAULT VALUE :	'VELOCITY U M/S; VELOCITY V M/S; WIND ALONG X M/S; WIND ALONG Y M/S; WATER DEPTH 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

1.117 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
THRESHOLD0 FOR CONFIGURATIONS ELIMINATION
THRESHOLD1 FOR CONFIGURATIONS ELIMINATION
THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

1.118 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

1.119 NUMBER OF DIRECTIONS

Type : Integer
Dimension : 1
Mnemo NDIRE
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.

1.120 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

1.121 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

1.122 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

1.123 NUMBER OF PLANTS M2

Type : Real
Dimension : 1
Mnemo NUMPLAM2
DEFAULT VALUE : 20.
French keyword : `NOMBRE DE PLANTES M2`
Number of plants per m2 for the vegetation source term

Related keywords

VEGETATION TAKEN INTO ACCOUNT VEGETATION DISSIPATION COEFFICIENT STEM DIAMETER BULK DRAG COEFFICIENT VEGETATION HEIGHT

1.124 NUMBER OF PRIVATE ARRAYS

Type : Integer
Dimension : 1
Mnemo NPRIV
DEFAULT VALUE : 0
French keyword : `NOMBRE DE TABLEAUX PRIVES`
Number of private arrays used by the user

1.125 NUMBER OF SURFACE ROLLER TIME STEPS

Type : Integer
Dimension : 1
Mnemo SUBSTEP_SURFROL
DEFAULT VALUE : 1
French keyword : `NOMBRE DE SOUS-PAS DE TEMPS POUR LE ROULEAU`
Number of time steps for surface rollers.

1.126 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

1.127 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

1.128 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

1.129 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

1.130 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

1.131 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....

1.132 PARTITIONING TOOL

Type : String
Dimension : 1
Mnemo
DEFAULT VALUE : 'METIS'
French keyword : `PARTITIONNEUR`
PARTITIONING TOOL SELECTION

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

1.133 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

1.134 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.

1.135 POROUS MEDIA

Type : Logical
Dimension : 1
Mnemo POROUS
DEFAULT VALUE : NO
French keyword : `MILIEU POREUX`

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

1.136 PREVIOUS COMPUTATION FILE

Type :	String
Dimension :	0
Mnemo	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

1.137 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

1.138 PUNCTUAL RESULTS FILE

Type :	String
Dimension :	0
Mnemo	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

1.139 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

1.140 RECOVERY OF TELEMAC DATA ITEM

Type : Logical
Dimension : 0
Mnemo DONTEL
DEFAULT VALUE : .FALSE.
French keyword : `RECUPERATION DE DONNEE TELEMAC`
Indicates whether TELEMAC data are recovered in LECDON. If so, a proper-formatted CURRENTS 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

1.141 REFERENCE FILE

Type : String
Dimension : 0
Mnemo WAC_FILES(WACREF)
DEFAULT VALUE : ”
French keyword : `FICHIER DE REFERENCE`
Name of validation data file

Related keywords
VALIDATION

1.142 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

1.143 REFLECTION

Type :	Logical
Dimension :	1
Mnemo	REFLECTION
DEFAULT VALUE :	NO
French keyword :	`REFLEXION`

If YES, subroutine REFLECT will be called and the reflection boundary condition will be calculated

Related keywords

REFLECTION COEFFICIENT

1.144 REFLECTION COEFFICIENT

Type :	Real
Dimension :	1
Mnemo	COEREF
DEFAULT VALUE :	1.
French keyword :	`COEFFICIENT DE REFLEXION`

Reflection coefficient applied when reflection is active

Related keywords

REFLECTION

1.145 SATURATION THRESHOLD FOR THE DISSIPATION

Type :	Real
Dimension :	1
Mnemo	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

1.146 SETTING FOR INTEGRATION ON OMEGA1

Type : Integer
Dimension : 0
Mnemo 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

1.147 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

1.148 SETTING FOR INTEGRATION ON THETA1

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

1.149 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

1.150 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.

1.151 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

1.152 SPECTRUM TAIL FACTOR

Type :	Real
Dimension :	1
Mnemo	TAILF
DEFAULT VALUE :	5.
French keyword :	`FACTEUR DE QUEUE DU SPECTRE`

decay order of the hight frequencies (Beyond cut off frequency)

Related keywords

NUMBER OF FREQUENCIES
FREQUENTIAL RATIO

1.153 SPHERICAL COORDINATES

Type :	Logical
Dimension :	0
Mnemo	SPHE
DEFAULT VALUE :	.FALSE.
French keyword :	`COORDONNEES SPHERIQUES`

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

1.154 STANDARD CONFIGURATION PARAMETER

Type :	Real
Dimension :	1
Mnemo	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

1.155 STARTING TIME STEP FOR DIFFRACTION

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

1.156 STATIONARY WIND

Type : Logical
Dimension : 0
Mnemo VENSTA
DEFAULT VALUE : .FALSE.
French keyword : `VENT STATIONNAIRE`

Indicates whether the wind evolves temporally and requires to be updated

Related keywords
CONSIDERATION OF A WIND

1.157 STEERING FILE

Type : String
Dimension : 0
Mnemo WACCAS
DEFAULT VALUE : ”
French keyword : `FICHIER DES PARAMETRES`

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

1.158 STEM DIAMETER

Type : Real
Dimension : 1
Mnemo STEMDIAM
DEFAULT VALUE : 0.25
French keyword : `DIAMETRE DES TIGES`

stem diameter in the vegetation source term

Related keywords

VEGETATION TAKEN INTO ACCOUNT VEGETATION DISSIPATION COEFFICIENT NUMBER OF PLANTS M2 BULK DRAG COEFFICIENT VEGETATION HEIGHT

1.159 SURFACE ROLLERS

Type :	Logical
Dimension :	1
Mnemo	SURF_ROL
DEFAULT VALUE :	.FALSE.
French keyword :	`ROLLERS SURFACE`

Switches surface rollers on

1.160 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 IMPOSEES`

Indicates whether source terms are taken into account on imposed boundaries.

1.161 THRESHOLD0 FOR CONFIGURATIONS ELIMINATION

Type :	Real
Dimension :	1
Mnemo	SEUIL
DEFAULT VALUE :	0.00
French keyword :	`SEUIL0 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

1.162 THRESHOLD1 FOR CONFIGURATIONS ELIMINATION

Type :	Real
Dimension :	1
Mnemo	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

1.163 THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

Type : Real
Dimension : 1
Mnemo 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
THRESHOLD0 FOR CONFIGURATIONS ELIMINATION
THRESHOLD1 FOR CONFIGURATIONS ELIMINATION
NON-LINEAR TRANSFERS BETWEEN FREQUENCIES

1.164 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

1.165 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

1.166 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

1.167 TIME SERIES COORDINATES FILE

Type : String
Dimension : 1
Mnemo WAC_FILES(WACCOO)%NAME
DEFAULT VALUE : ”
French keyword : `FICHIER DE COORDONNEES DES SERIES TEMPORELLES`

Name of the file containing points coordinates and periods of time where time series are extracted in the `TIME SERIES FILE`.

1.168 TIME SERIES FILE

Type : String
Dimension : 1
Mnemo WAC_FILES(WACHI2)%NAME
DEFAULT VALUE : ”
French keyword : `FICHIER DES SERIES TEMPORELLES`

Name of the file into which 2D time series are written at the points defined in the `TIME SERIES COORDINATES FILE`.

1.169 TIME SERIES FILE FORMAT

Type : String
Dimension : 1
Mnemo WAC_FILES(WACHI2)%FMT
DEFAULT VALUE : ’SERAFIN’
French keyword : `FORMAT DU FICHIER DES SERIES TEMPORELLES`

Format of the `TIME SERIES FILE`. Possible choices are:

- SERAFIN : classical single precision format in TELEMAC,

- SERAFIND: classical double precision format in TELEMAC,
- MED : MED double precision format based on HDF5.

1.170 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

1.171 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

1.172 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

1.173 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.

Related keywords

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

1.174 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

1.175 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

1.176 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

1.177 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

1.178 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

1.179 TITLE

Type : String
Dimension : 0
Mnemo TITCAS
DEFAULT VALUE : 'SET A TITLE !!!'
French keyword : `TITRE`
Title of the case being studied.

1.180 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

1.181 TRIADS 1 (LTA) COEFFICIENT ALPHA

Type : Real
Dimension : 1
Mnemo 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

1.182 TRIADS 1 (LTA) COEFFICIENT RFMLTA

Type : Real
Dimension : 1
Mnemo RFMLTA
DEFAULT VALUE : 2.5
French keyword : `TRIADS 1 (LTA) CONSTANTE RFMLTA`

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

1.183 TRIADS 2 (SPB) COEFFICIENT K

Type : Real
Dimension : 1
Mnemo 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

1.184 TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY

Type : Real
Dimension : 1
Mnemo 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

1.185 TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY

Type : Real
Dimension : 1
Mnemo 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

1.186 TRIGONOMETRICAL CONVENTION

Type :	Logical
Dimension :	0
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

1.187 TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

Type :	Integer
Dimension :	0
Mnemo	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 WAVE 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

1.188 TYPE OF INITIAL DIRECTIONAL SPECTRUM

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

1.189 VALIDATION

Type :	Logical
Dimension :	0
Mnemo	VALID
DEFAULT VALUE :	.FALSE.
French keyword :	`VALIDATION`

True if the computation is a validation

Related keywords

REFERENCE FILE

1.190 VARIABLES FOR 2D GRAPHIC PRINTOUTS

Type :	String
Dimension :	1
Mnemo	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 rate
- BETAWC : White Capping rate
- SRE : Surface roller Energy
- DBR : Wave breaking dissipation

- DSR : Surface roller dissipation

Related keywords
2D RESULTS FILE
NUMBER OF FIRST ITERATION FOR GRAPHIC PRINTOUTS
PERIOD FOR GRAPHIC PRINTOUTS

1.191 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

1.192 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.

1.193 VEGETATION DISSIPATION COEFFICIENT

Type : Real
Dimension : 1
Mnemo COEVEG
DEFAULT VALUE : 1.
French keyword : `COEFFICIENT DE DISSIPATION PAR VEGETATION`
Dissipation coefficient in the vegetation source term

Related keywords
VEGETATION TAKEN INTO ACCOUNT NUMBER OF PLANTS M2 STEM DIAMETER BULK DRAG COEFFICIENT VEGETATION HEIGHT

1.194 VEGETATION HEIGHT

Type : Real
Dimension : 1
Mnemo VEGH
DEFAULT VALUE : 1.
French keyword : `HAUTEUR DE VEGETATION`

constant used in the vegetation source term

Related keywords

VEGETATION TAKEN INTO ACCOUNT VEGETATION DISSIPATION COEFFICIENT NUMBER OF PLANTS M2 STEM DIAMETER BULK DRAG COEFFICIENT

1.195 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

1.196 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

1.197 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

1.198 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

1.199 WESTHUYSEN DISSIPATION COEFFICIENT

Type : Real
Dimension : 1
Mnemo 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

1.200 WESTHUYSEN WEIGHTING COEFFICIENT

Type : Real
Dimension : 1
Mnemo 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

1.201 WESTHUYSEN WHITE CAPPING DISSIPATION

Type : Real
Dimension : 1
Mnemo 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

1.202 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

1.203 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

1.204 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

1.205 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

1.206 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

1.207 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

1.208 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

1.209 WIND VELOCITY ALONG X

Type : Real
Dimension : 1
Mnemo 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
STATIONARY WIND

1.210 WIND VELOCITY ALONG Y

Type : Real
Dimension : 1
Mnemo 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
STATIONARY WIND

1.211 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

1.212 YAN GENERATION COEFFICIENT D

Type :	Real
Dimension :	1
Mnemo	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 F
YAN GENERATION COEFFICIENT H

1.213 YAN GENERATION COEFFICIENT E

Type :	Real
Dimension :	1
Mnemo	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 F
YAN GENERATION COEFFICIENT H

1.214 YAN GENERATION COEFFICIENT F

Type : Real
Dimension : 1
Mnemo 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 E
YAN GENERATION COEFFICIENT H

1.215 YAN GENERATION COEFFICIENT H

Type : Real
Dimension : 1
Mnemo 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
REFLECTION
REFLECTION COEFFICIENT
TYPE OF BOUNDARY DIRECTIONAL SPECTRUM

2.2 COMPUTATION ENVIRONMENT

2.2.1 INPUT

FILE WITH DEFINITION OF POLYGONS
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
PREVIOUS COMPUTATION FILE
PREVIOUS COMPUTATION FILE FORMAT
REFERENCE FILE
REFERENCE FILE FORMAT
TIME SERIES COORDINATES 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
TIME SERIES FILE
TIME SERIES 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
SURFACE ROLLERS
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

GODA COEFFICIENT FOR ANGULAR SPEADING
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

BOUNDARY CONDITION BEFORE TIME STEP
CONCATENATE PARTEL OUTPUT
DICTIONARY
ECRET FOR SMALL HEIGHT
STEERING FILE
VECTOR LENGTH

2.6 SOURCE TERMS

BAJ MODELING
CONSIDERATION OF SOURCE TERMS
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 BETA0
DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR
DEPTH-INDUCED BREAKING DISSIPATION
MAXIMUM VALUE OF THE RATIO HM0 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 POROUS

POROUS MEDIA

2.6.6 QUADRUPLET INTERACTIONS

NON-LINEAR TRANSFERS BETWEEN FREQUENCIES
SETTING FOR INTEGRATION ON OMEGA1
SETTING FOR INTEGRATION ON OMEGA2
SETTING FOR INTEGRATION ON THETA1
STANDARD CONFIGURATION PARAMETER
THRESHOLD0 FOR CONFIGURATIONS ELIMINATION
THRESHOLD1 FOR CONFIGURATIONS ELIMINATION
THRESHOLD2 FOR CONFIGURATIONS ELIMINATION

2.6.7 STRONG CURRENT

DISSIPATION BY STRONG CURRENT
DISSIPATION COEFFICIENT FOR STRONG CURRENT

2.6.8 SURFACE ROLLER

BETA 2 SURFACE ROLLERS
BETA S SURFACE ROLLERS
NUMBER OF SURFACE ROLLER TIME STEPS

2.6.9 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

2.6.10 VEGETATION

BULK DRAG COEFFICIENT
NUMBER OF PLANTS M2
STEM DIAMETER

VEGETATION DISSIPATION COEFFICIENT
VEGETATION HEIGHT
VEGETATION TAKEN INTO ACCOUNT

2.6.11 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

2.6.12 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
YAN GENERATION COEFFICIENT H

2.7 TRANSPORT

2.7.1 DIFFRACTION PARAMETERS

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

3. Glossary

3.1 English/French glossary

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 POINTS	ABSCISSES DES POINTS DE SORTIE DU SPECTRE
AIR DENSITY	DENSITE DE L'AIR
BAJ MODELING	MODELISATION BAJ
BETA 2 SURFACE ROLLERS	BETA 2 ROLLERS SURFACE
BETA S SURFACE ROLLERS	BETA S ROLLERS SURFACE
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 FUNCTION	FONCTION DE REPARTITION ANGULAIRE AUX LIMITES
BOUNDARY CONDITION BEFORE TIME STEP	CONDITION LIMITE AVANT LE PAS DE TEMPS

BOUNDARY CONDITIONS FILE	FICHIER DES CONDITIONS AUX LIMITES
BOUNDARY DIRECTIONAL SPREAD 1	ETALEMENT DIRECTIONNEL 1 AUX 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 LIMITES
BOUNDARY MEAN FETCH VALUE	VALEUR MOYENNE DU FETCH AUX 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 HEIGHT	HAUTEUR SIGNIFICATIVE AUX LIMITES
BOUNDARY SPECTRUM VALUE OF SIGMA-A	VALEUR AUX LIMITES DE SIGMA-A POUR SPECTRE
BOUNDARY SPECTRUM VALUE OF SIGMA-B	VALEUR AUX LIMITES DE SIGMA-B POUR SPECTRE
BOUNDARY WEIGHTING FACTOR FOR ADF	FACTEUR DE PONDERATION POUR FRA AUX LIMITES
BULK DRAG COEFFICIENT	COEFFICIENT DE TRAINEE
CHARNOCK CONSTANT	CONSTANTE DE CHARNOCK
CHECKING THE MESH	VERIFICATION DU MAILLAGE
COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING	COEFFICIENT POUR LES SOUS-PAS DE TEMPS POUR LE DEFERLEMENT
CONCATENATE PARTEL OUTPUT	CONCATENATION SORTIE PARTEL
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) CHARACTERISTIC FREQUENCY	DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA	DEFERLEMENT 1 (BJ) CONSTANTE ALPHA
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1	DEFERLEMENT 1 (BJ) CONSTANTE GAMMA1
DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2	DEFERLEMENT 1 (BJ) CONSTANTE GAMMA2
DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD	DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM
DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD	DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB
DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY	DEFERLEMENT 2 (TG) CHOIX FREQUENCE CARACTERISTIQUE

DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B	DEFERLEMENT 2 (TG) CONSTANTE B
DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA	DEFERLEMENT 2 (TG) CONSTANTE GAMMA
DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION	DEFERLEMENT 2 (TG) FONCTION DE PONDERATION
DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY	DEFERLEMENT 3 (RO) CHOIX FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA	DEFERLEMENT 3 (RO) CONSTANTE ALPHA
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA	DEFERLEMENT 3 (RO) CONSTANTE GAMMA
DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2	DEFERLEMENT 3 (RO) CONSTANTE GAMMA2
DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION	DEFERLEMENT 3 (RO) EXPOSANT FONCTION DE PONDERATION
DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION	DEFERLEMENT 3 (RO) DISTRIBUTION DES HAUTEURS DE HOULE
DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY	DEFERLEMENT 4 (IH) CHOIX FREQUENCE CARACTERISTIQUE
DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0	DEFERLEMENT 4 (IH) CONSTANTE BETA0
DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR	DEFERLEMENT 4 (IH) CONSTANTE M2STAR
DEPTH-INDUCED BREAKING DISSIPATION	DISSIPATION PAR DEFERLEMENT
DICTIONARY	DICTIONNAIRE
DIFFRACTION	DIFFRACTION
DIFFRACTION FILTER	FILTRE POUR DIFFRACTION
DISSIPATION BY STRONG CURRENT	DISSIPATION PAR FORT COURANT
DISSIPATION COEFFICIENT FOR STRONG CURRENT	COEFFICIENT DE DISSIPATION PAR FORT COURANT
ECRET FOR SMALL HEIGHT	ECRETAGE POUR HAUTEUR PETITE
FILE WITH COORDINATES OF SPECTRA TO IMPOSE	FICHIER DES COORDONNEES DE SPECTRES A IMPOSER
FILE WITH COORDINATES OF SPECTRA TO WRITE	FICHIER DES COORDONNEES DE SPECTRES A ECRIRE
FILE WITH DEFINITION OF POLYGONS	FICHIER DE DEFINITION DES POLYGONES
FINITE ELEMENT ASSEMBLY	ASSEMBLAGE EN ELEMENTS FINIS
FORMATTED CURRENTS FILE	FICHIER DES COURANTS FORMATE
FORMATTED FILE 1	FICHIER FORMATE 1
FORMATTED TIDAL WATER LEVEL FILE	FICHIER DU NIVEAU DE LA MAREE FORMATE
FORMATTED WINDS FILE	FICHIER DES VENTS FORMATE
FORTRAN FILE	FICHIER FORTRAN
FREQUENTIAL RATIO	RAISON FREQUENTIELLE
GEOMETRY FILE	FICHIER DE GEOMETRIE
GEOMETRY FILE FORMAT	FORMAT DU FICHIER DE GEOMETRIE

GLOBAL RESULT FILE	FICHIER DES RESULTATS GLOBAUX
GLOBAL RESULT FILE FORMAT	FORMAT DU FICHIER DES RESULTATS GLOBAUX
GODA COEFFICIENT FOR ANGULAR SPEADING	COEFFICIENT DE GODA POUR LOI DE REPARTITION ANGULAIR
IMPLICITATION COEFFICIENT FOR SOURCE TERMS	COEFFICIENT IMPLICITATION POUR 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 FUNCTION	FONCTION DE REPARTITION 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 SPECTRUM	VALEUR INITIALE DE SIGMA-A POUR SPECTRE
INITIAL VALUE OF SIGMA-B FOR SPECTRUM	VALEUR INITIALE DE SIGMA-B POUR SPECTRE
INITIAL WEIGHTING FACTOR FOR ADF	FACTEUR DE PONDERATION POUR FRA INITIALE
LIMIT SPECTRUM MODIFIED BY USER	SPECTRE AUX LIMITES MODIFIE PAR L'UTILISATEUR
LINEAR WAVE GROWTH	CROISSANCE LINEAIRE DES VAGUES
MAXIMUM VALUE OF THE RATIO HM0 ON D	VALEUR MAXIMALE DU RAPPORT HM0 SUR D
MINIMAL FREQUENCY	FREQUENCE MINIMALE
MINIMUM WATER DEPTH	PROFONDEUR D'EAU MINIMALE
NAMES OF VARIABLES	NOMS DES VARIABLES
NON-LINEAR TRANSFERS BETWEEN FREQUENCIES	TRANSFERTS NON LINEAIRES 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 GRAPHICS PRINTOUTS	NUMERO DE LA PREMIERE ITERATION POUR LES SORTIES GRAPHIQUES
NUMBER OF FREQUENCIES	NOMBRE DE FREQUENCES

NUMBER OF ITERATIONS FOR THE SOURCE TERMS	NOMBRE DE SOUS-ITERATIONS POUR LES TERMES SOURCES
NUMBER OF PLANTS M2	NOMBRE DE PLANTES M2
NUMBER OF PRIVATE ARRAYS	NOMBRE DE TABLEAUX PRIVES
NUMBER OF SURFACE ROLLER TIME STEPS	NOMBRE DE SOUS-PAS DE TEMPS POUR LE ROULEAU
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 POINTS	ORDONNEES DES POINTS DE SORTIE 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
POROUS MEDIA	MILIEU POREUX
PREVIOUS COMPUTATION FILE	FICHIER DU CALCUL PRECEDENT
PREVIOUS COMPUTATION FILE FORMAT	FORMAT DU FICHIER DU CALCUL PRECEDENT
PUNCTUAL RESULTS FILE	FICHIER DES RESULTATS PONCTUELS
RANK OF THE WATER LEVEL DATA IN THE TELEMAC FILE	RANG DU NIVEAU DE LA MAREE DANS 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
REFLECTION	REFLEXION
REFLECTION COEFFICIENT	COEFFICIENT DE REFLEXION
SATURATION THRESHOLD FOR THE DISSIPATION	SEUIL DE SATURATION POUR LA DISSIPATION
SETTING FOR INTEGRATION ON OMEGA1	REGLAGE POUR INTEGRATION SUR OMEGA1
SETTING FOR INTEGRATION ON OMEGA2	REGLAGE POUR INTEGRATION SUR OMEGA2
SETTING FOR INTEGRATION ON THETA1	REGLAGE POUR INTEGRATION SUR THETA1
SHIFT GROWING CURVE DUE TO WIND	DECALAGE COURBE DE CROISSANCE DUE AU VENT
SPECTRUM ENERGY THRESHOLD	SEUIL D'ENERGIE CONSIDERE POUR LE SPECTRE
SPECTRUM FILE FORMAT	FORMAT DU FICHIER DE SPECTRE
SPECTRUM TAIL FACTOR	FACTEUR DE QUEUE DU SPECTRE
SPHERICAL COORDINATES	COORDONNEES SPHERIQUES
STANDARD CONFIGURATION PARAMETER	PARAMETRE DE LA CONFIGURATION STANDARD
STARTING TIME STEP FOR DIFFRACTION	PAS DE TEMPS DEBUT DIFFRACTION
STATIONARY WIND	VENT STATIONNAIRE
STEERING FILE	FICHIER DES PARAMETRES
STEM DIAMETER	DIAMETRE DES TIGES
SURFACE ROLLERS	ROLLERS SURFACE

TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES	PRISE EN COMPTE DES TERMES SOURCES SUR LES FRONTIERES IMPOSEES
THRESHOLD0 FOR CONFIGURATIONS ELIMINATION	SEUIL0 ELIMINATION DE CONFIGURATIONS
THRESHOLD1 FOR CONFIGURATIONS ELIMINATION	SEUIL1 ELIMINATION DE CONFIGURATIONS
THRESHOLD2 FOR CONFIGURATIONS ELIMINATION	SEUIL2 ELIMINATION DE CONFIGURATIONS
TIDAL WATER LEVEL FILE FORMAT	FORMAT DU FICHIER DU NIVEAU DE LA MAREE
TIDE REFRESHING PERIOD	PERIODE D'ACTUALISATION DE LA MAREE
TIME INCREMENT NUMBER IN TELEMAC FILE	NUMERO DU PAS DE TEMPS DU FICHIER TELEMAC
TIME SERIES COORDINATES FILE	FICHIER DE COORDONNEES DES SERIES TEMPORELLES
TIME SERIES FILE	FICHIER DES SERIES TEMPORELLES
TIME SERIES FILE FORMAT	FORMAT DU FICHIER DES SERIES TEMPORELLES
TIME SHIFT IN CURRENTS FILE	DEPHASAGE DU FICHIER DES COURANTS
TIME SHIFT IN TIDAL WATER LEVEL FILE	DEPHASAGE DU FICHIER DU NIVEAU DE LA MAREE
TIME SHIFT IN WINDS FILE	DEPHASAGE DU FICHIER DES VENTS
TIME SHIFT OF IMPOSED SPECTRA FILE	DEPHASAGE DU FICHIER DES SPECTRES IMPOSES
TIME STEP	PAS DE TEMPS
TIME UNIT IN CURRENTS FILE	UNITE DE TEMPS DU FICHIER DES COURANTS
TIME UNIT IN TIDAL WATER LEVEL FILE	UNITE DE TEMPS DU FICHIER DU NIVEAU DE LA MAREE
TIME UNIT IN WINDS FILE	UNITE DE TEMPS DU FICHIER DES VENTS
TIME UNIT OF IMPOSED SPECTRA FILE	UNITE DE TEMPS DU FICHIER DES SPECTRES IMPOSES
TITLE	TITRE
TRIAD INTERACTIONS	TRANSFERTS ENTRE TRIPLETS DE FREQUENCES
TRIADS 1 (LTA) COEFFICIENT ALPHA	TRIADS 1 (LTA) CONSTANTE ALPHA
TRIADS 1 (LTA) COEFFICIENT RFMLTA	TRIADS 1 (LTA) CONSTANTE RFMLTA
TRIADS 2 (SPB) COEFFICIENT K	TRIADS 2 (SPB) CONSTANTE K
TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY	TRIADS 2 (SPB) BORNE DIRECTIONNELLE INFERIEURE
TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY	TRIADS 2 (SPB) BORNE DIRECTIONNELLE SUPERIEURE
TRIGONOMETRICAL CONVENTION	CONVENTION TRIGONOMETRIQUE
TYPE OF BOUNDARY DIRECTIONAL SPECTRUM	TYPE DE SPECTRE DIRECTIONNEL AUX LIMITES
TYPE OF INITIAL DIRECTIONAL SPECTRUM	TYPE DE SPECTRE DIRECTIONNEL INITIAL
VALIDATION	VALIDATION

VARIABLES FOR 2D GRAPHIC PRINTOUTS	VARIABLES POUR LES SORTIES GRAPHIQUES 2D
VARIANCE THRESHOLD FOR DIFFRACTION	SEUIL DE VARIANCE CONSIDEREE POUR DIFFRACTION
VECTOR LENGTH	LONGUEUR DU VECTEUR
VEGETATION DISSIPATION COEFFICIENT	COEFFICIENT DE DISSIPATION PAR VEGETATION
VEGETATION HEIGHT	HAUTEUR DE VEGETATION
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	COEFFICIENT DE DISSIPATION DE WESTHUYSEN
WESTHUYSEN WEIGHTING COEFFICIENT	COEFFICIENT DE PONDERATION DE WESTHUYSEN
WESTHUYSEN WHITE CAPPING DISSIPATION	DISSIPATION PAR MOUTONNEMENT DE WESTHUYSEN
WHITE CAPPING DISSIPATION	DISSIPATION PAR MOUTONNEMENT
WHITE CAPPING DISSIPATION COEFFICIENT	COEFFICIENT DE DISSIPATION PAR MOUTONNEMENT
WHITE CAPPING WEIGHTING COEFFICIENT	COEFFICIENT DE PONDERATION POUR LE MOUTONNEMENT
WIND DRAG COEFFICIENT	COEFFICIENT DE TRAINEE DE VENT
WIND GENERATION	APPORTS DUS AU VENT
WIND GENERATION COEFFICIENT	COEFFICIENT DE GENERATION PAR 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 DU SPECTRE	ABSCISSAE OF SPECTRUM PRINTOUT POINTS
APPORTS DUS AU VENT	WIND GENERATION
ASSEMBLAGE EN ELEMENTS FINIS	FINITE ELEMENT ASSEMBLY
BETA 2 ROLLERS SURFACE	BETA 2 SURFACE ROLLERS
BETA S ROLLERS SURFACE	BETA S SURFACE ROLLERS
COEFFICIENT DE DISSIPATION DE WESTHUYSEN	WESTHUYSEN DISSIPATION COEFFICIENT
COEFFICIENT DE DISSIPATION PAR FORT COURANT	DISSIPATION COEFFICIENT FOR STRONG CURRENT

COEFFICIENT DE DISSIPATION PAR MOUTONNEMENT	WHITE CAPPING DISSIPATION COEFFICIENT
COEFFICIENT DE DISSIPATION PAR VEGETATION	VEGETATION DISSIPATION COEFFICIENT
COEFFICIENT DE FROTTEMENT SUR LE FOND	BOTTOM FRICTION COEFFICIENT
COEFFICIENT DE GENERATION DE YAN D	YAN GENERATION COEFFICIENT D
COEFFICIENT DE GENERATION DE YAN E	YAN GENERATION COEFFICIENT E
COEFFICIENT DE GENERATION DE YAN F	YAN GENERATION COEFFICIENT F
COEFFICIENT DE GENERATION DE YAN H	YAN GENERATION COEFFICIENT H
COEFFICIENT DE GENERATION PAR LE VENT	WIND GENERATION COEFFICIENT
COEFFICIENT DE GODA POUR LOI DE REPARTITION ANGULAIR	GODA COEFFICIENT FOR ANGULAR SPEADING
COEFFICIENT DE PONDERATION DE WESTHUYSEN	WESTHUYSEN WEIGHTING COEFFICIENT
COEFFICIENT DE PONDERATION POUR LE MOUTONNEMENT	WHITE CAPPING WEIGHTING COEFFICIENT
COEFFICIENT DE REFLEXION	REFLECTION COEFFICIENT
COEFFICIENT DE TRAINEE	BULK DRAG COEFFICIENT
COEFFICIENT DE TRAINEE DE VENT	WIND DRAG COEFFICIENT
COEFFICIENT IMPLICITATION POUR TERMES SOURCES	IMPLICITATION COEFFICIENT FOR SOURCE TERMS
COEFFICIENT POUR LES SOUS-PAS DE TEMPS POUR LE DEFERLEMENT	COEFFICIENT OF THE TIME SUB-INCREMENTS FOR BREAKING
CONCATENATION SORTIE PARTEL	CONCATENATE PARTEL OUTPUT
CONDITION LIMITE AVANT LE PAS DE TEMPS	BOUNDARY CONDITION BEFORE TIME STEP
CONSTANTE DE CHARNOCK	CHARNOCK CONSTANT
CONSTANTE DE PHILLIPS AUX LIMITES	BOUNDARY PHILLIPS CONSTANT
CONSTANTE DE PHILLIPS INITIALE	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 REPOS	INITIAL STILL WATER LEVEL
CROISSANCE LINEAIRE DES VAGUES	LINEAR WAVE GROWTH
DATE DE DEBUT DU CALCUL	DATE OF COMPUTATION BEGINNING
DEBUGGER	DEBUGGER
DECALAGE COURBE DE CROISSANCE DUE AU VENT	SHIFT GROWING CURVE DUE TO WIND
DEFERLEMENT 1 (BJ) CHOIX FREQUENCE CARACTERISTIQUE	DEPTH-INDUCED BREAKING 1 (BJ) CHARACTERISTIC FREQUENCY
DEFERLEMENT 1 (BJ) CONSTANTE ALPHA	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT ALPHA

DEFERLEMENT 1 (BJ) CONSTANTE GAMMA1	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA1
DEFERLEMENT 1 (BJ) CONSTANTE GAMMA2	DEPTH-INDUCED BREAKING 1 (BJ) COEFFICIENT GAMMA2
DEFERLEMENT 1 (BJ) MODE DE CALCUL DE HM	DEPTH-INDUCED BREAKING 1 (BJ) HM COMPUTATION METHOD
DEFERLEMENT 1 (BJ) MODE DE CALCUL DE QB	DEPTH-INDUCED BREAKING 1 (BJ) QB COMPUTATION METHOD
DEFERLEMENT 2 (TG) CHOIX FREQUENCE CARACTERISTIQUE	DEPTH-INDUCED BREAKING 2 (TG) CHARACTERISTIC FREQUENCY
DEFERLEMENT 2 (TG) CONSTANTE B	DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT B
DEFERLEMENT 2 (TG) CONSTANTE GAMMA	DEPTH-INDUCED BREAKING 2 (TG) COEFFICIENT GAMMA
DEFERLEMENT 2 (TG) FONCTION DE PONDERATION	DEPTH-INDUCED BREAKING 2 (TG) WEIGHTING FUNCTION
DEFERLEMENT 3 (RO) CHOIX FREQUENCE CARACTERISTIQUE	DEPTH-INDUCED BREAKING 3 (RO) CHARACTERISTIC FREQUENCY
DEFERLEMENT 3 (RO) CONSTANTE ALPHA	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT ALPHA
DEFERLEMENT 3 (RO) CONSTANTE GAMMA	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA
DEFERLEMENT 3 (RO) CONSTANTE GAMMA2	DEPTH-INDUCED BREAKING 3 (RO) COEFFICIENT GAMMA2
DEFERLEMENT 3 (RO) DISTRIBUTION DES HAUTEURS DE HOULE	DEPTH-INDUCED BREAKING 3 (RO) WAVE HEIGHT DISTRIBUTION
DEFERLEMENT 3 (RO) EXPOSANT FONCTION DE PONDERATION	DEPTH-INDUCED BREAKING 3 (RO) EXPONENT WEIGHTING FUNCTION
DEFERLEMENT 4 (IH) CHOIX FREQUENCE CARACTERISTIQUE	DEPTH-INDUCED BREAKING 4 (IH) CHARACTERISTIC FREQUENCY
DEFERLEMENT 4 (IH) CONSTANTE BETA0	DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT BETA0
DEFERLEMENT 4 (IH) CONSTANTE M2STAR	DEPTH-INDUCED BREAKING 4 (IH) COEFFICIENT M2STAR
DENSITE DE L'AIR	AIR DENSITY
DENSITE DE L'EAU	WATER DENSITY
DEPHASAGE DU FICHIER DES COURANTS	TIME SHIFT IN CURRENTS FILE
DEPHASAGE DU FICHIER DES SPECTRES IMPOSES	TIME SHIFT OF IMPOSED SPECTRA FILE
DEPHASAGE DU FICHIER DES VENTS	TIME SHIFT IN WINDS FILE
DEPHASAGE DU FICHIER DU NIVEAU DE LA MAREE	TIME SHIFT IN TIDAL WATER LEVEL FILE
DIAMETRE DES TIGES	STEM DIAMETER
DICTIONNAIRE	DICTIONARY
DIFFRACTION	DIFFRACTION
DIRECTION PRINCIPALE 1 AUX LIMITES	BOUNDARY MAIN DIRECTION 1
DIRECTION PRINCIPALE 1 INITIALE	INITIAL MAIN DIRECTION 1

DIRECTION PRINCIPALE 2 AUX LIMITES	BOUNDARY MAIN DIRECTION 2
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 LE FOND	BOTTOM FRICTION DISSIPATION
DISSIPATION PAR MOUTONNEMENT	WHITE CAPPING DISSIPATION
DISSIPATION PAR MOUTONNEMENT DE WESTHUYSEN	WESTHUYSEN WHITE CAPPING DISSIPATION
ECRETAGE POUR HAUTEUR PETITE	ECRET FOR SMALL HEIGHT
ETALEMENT DIRECTIONNEL 1 AUX LIMITES	BOUNDARY DIRECTIONAL SPREAD 1
ETALEMENT DIRECTIONNEL 1 INITIAL	INITIAL DIRECTIONAL SPREAD 1
ETALEMENT DIRECTIONNEL 2 AUX LIMITES	BOUNDARY DIRECTIONAL SPREAD 2
ETALEMENT DIRECTIONNEL 2 INITIAL	INITIAL DIRECTIONAL SPREAD 2
FACTEUR DE PIC AUX LIMITES	BOUNDARY PEAK FACTOR
FACTEUR DE PIC INITIAL	INITIAL PEAK FACTOR
FACTEUR DE PONDERATION POUR FRA AUX LIMITES	BOUNDARY WEIGHTING FACTOR FOR ADF
FACTEUR DE PONDERATION POUR FRA INITIALE	INITIAL WEIGHTING FACTOR FOR ADF
FACTEUR DE QUEUE DU SPECTRE	SPECTRUM TAIL FACTOR
FICHIER BINAIRE 1	BINARY FILE 1
FICHIER DE COORDONNEES DES SERIES TEMPORELLES	TIME SERIES COORDINATES FILE
FICHIER DE DEFINITION DES POLYGONES	FILE WITH DEFINITION OF POLYGONS
FICHIER DE GEOMETRIE	GEOMETRY FILE
FICHIER DE REFERENCE	REFERENCE FILE
FICHIER DES CONDITIONS AUX LIMITES	BOUNDARY CONDITIONS FILE
FICHIER DES COORDONNEES DE SPECTRES A ECRIRE	FILE WITH COORDINATES OF SPECTRA TO WRITE
FICHIER DES COORDONNEES DE SPECTRES A IMPOSER	FILE WITH COORDINATES OF 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	1D SPECTRA RESULTS FILE
FICHIER DES SERIES TEMPORELLES	TIME SERIES FILE
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 BINAIRE	BINARY TIDAL WATER LEVEL FILE

FICHIER DU NIVEAU DE LA MAREE FORMATE	FORMATTED TIDAL WATER LEVEL FILE
FICHIER FORMATE 1	FORMATTED FILE 1
FICHIER FORTRAN	FORTRAN FILE
FILTRE POUR DIFFRACTION	DIFFRACTION FILTER
FONCTION DE REPARTITION ANGULAIRE AUX LIMITES	BOUNDARY ANGULAR DISTRIBUTION FUNCTION
FONCTION DE REPARTITION ANGULAIRE INITIALE	INITIAL ANGULAR DISTRIBUTION FUNCTION
FORMAT DU FICHIER DE DONNEES BINAIRE 1	BINARY DATA FILE 1 FORMAT
FORMAT DU FICHIER DE GEOMETRIE	GEOMETRY FILE FORMAT
FORMAT DU FICHIER DE LA MAREE BINAIRE	BINARY TIDAL WATER FILE FORMAT
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 BINAIRE	BINARY CURRENTS FILE FORMAT
FORMAT DU FICHIER DES RESULTATS 2D	2D RESULTS FILE FORMAT
FORMAT DU FICHIER DES RESULTATS GLOBAUX	GLOBAL RESULT FILE FORMAT
FORMAT DU FICHIER DES SERIES TEMPORELLES	TIME SERIES FILE FORMAT
FORMAT DU FICHIER DES SPECTRES IMPOSES	IMPOSED SPECTRA FILE FORMAT
FORMAT DU FICHIER DES VENTS	WINDS FILE FORMAT
FORMAT DU FICHIER DES VENTS BINAIRE	BINARY WINDS FILE FORMAT
FORMAT DU FICHIER DU CALCUL PRECEDENT	PREVIOUS COMPUTATION FILE FORMAT
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 LIMITES	BOUNDARY MAXIMUM PEAK FREQUENCY
FREQUENCE DE PIC MAXIMALE INITIALE	INITIAL MAXIMUM PEAK FREQUENCY
FREQUENCE MINIMALE	MINIMAL FREQUENCY
HAUTEUR DE VEGETATION	VEGETATION HEIGHT
HAUTEUR SIGNIFICATIVE AUX LIMITES	BOUNDARY SIGNIFICANT WAVE HEIGHT
HAUTEUR SIGNIFICATIVE INITIALE	INITIAL SIGNIFICANT WAVE HEIGHT
LIMITEUR DE CROISSANCE	WAVE GROWTH LIMITER
LISSAGES DU FOND	BOTTOM SMOOTHINGS
LONGUEUR DU VECTEUR	VECTOR LENGTH
MILIEU POREUX	POROUS MEDIA
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 PLANTES M2	NUMBER OF PLANTS M2
NOMBRE DE SOUS-ITERATIONS POUR LES TERMES SOURCES	NUMBER OF ITERATIONS FOR THE SOURCE TERMS
NOMBRE DE SOUS-PAS DE TEMPS POUR LE DEFERLEMENT	NUMBER OF BREAKING TIME STEPS
NOMBRE DE SOUS-PAS DE TEMPS POUR LE ROULEAU	NUMBER OF SURFACE ROLLER TIME STEPS
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 DU PAS DE TEMPS DU FICHIER TELEMAC	TIME INCREMENT NUMBER IN TELEMAC FILE
OPTION POUR LA QUEUE DIAGNOSTIQUE	OPTION FOR DIAGNOSTIC TAIL
OPTION POUR LES DERIVEES SECONDES	OPTION FOR SECOND DERIVATIVES
ORDONNEES DES POINTS DE SORTIE DU SPECTRE	ORDINATES OF SPECTRUM PRINTOUT POINTS
PARAMETRE DE LA CONFIGURATION STANDARD	STANDARD CONFIGURATION PARAMETER
PARTITIONNEUR	PARTITIONING TOOL
PAS DE TEMPS	TIME STEP
PAS DE TEMPS DEBUT DIFFRACTION	STARTING TIME STEP FOR DIFFRACTION
PERIODE D'ACTUALISATION DE LA MAREE	TIDE REFRESHING PERIOD
PERIODE POUR LES SORTIES GRAPHIQUES	PERIOD FOR GRAPHIC PRINTOUTS
PERIODE POUR LES SORTIES LISTING	PERIOD FOR LISTING PRINTOUTS
PRISE EN COMPTE D'UN COURANT STATIONNAIRE	CONSIDERATION OF A STATIONARY CURRENT
PRISE EN COMPTE DE LA MAREE	CONSIDERATION OF TIDE
PRISE EN COMPTE DE LA PROPAGATION	CONSIDERATION OF PROPAGATION
PRISE EN COMPTE DE LA VEGETATION	VEGETATION TAKEN INTO ACCOUNT
PRISE EN COMPTE DES TERMES SOURCES	CONSIDERATION OF SOURCE TERMS
PRISE EN COMPTE DES TERMES SOURCES SUR LES FRONTIERES IMPOSEES	TAKING INTO ACCOUNT SOURCE TERMS ON IMPOSED BOUNDARIES
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 LE FICHIER TELEMAC	RANK OF THE WATER LEVEL DATA IN THE TELEMAC FILE
RECUPERATION DE DONNEE TELEMAC	RECOVERY OF TELEMAC DATA ITEM
REFLEXION	REFLECTION
REGLAGE POUR INTEGRATION SUR OMEGA1	SETTING FOR INTEGRATION ON OMEGA1
REGLAGE POUR INTEGRATION SUR OMEGA2	SETTING FOR INTEGRATION ON OMEGA2
REGLAGE POUR INTEGRATION SUR THETA1	SETTING FOR INTEGRATION ON THETA1

REMISE A ZERO DU TEMPS	INITIAL TIME SET TO ZERO
ROLLERS SURFACE	SURFACE ROLLERS
SEUIL D'ENERGIE CONSIDERE POUR LE SPECTRE	SPECTRUM ENERGY THRESHOLD
SEUIL DE SATURATION POUR LA DISSIPATION	SATURATION THRESHOLD FOR THE DISSIPATION
SEUIL DE VARIANCE CONSIDEREE POUR DIFFRACTION	VARIANCE THRESHOLD FOR DIFFRACTION
SEUIL0 ELIMINATION DE CONFIGURATIONS	THRESHOLD0 FOR CONFIGURATIONS ELIMINATION
SEUIL1 ELIMINATION DE CONFIGURATIONS	THRESHOLD1 FOR CONFIGURATIONS ELIMINATION
SEUIL2 ELIMINATION DE CONFIGURATIONS	THRESHOLD2 FOR CONFIGURATIONS ELIMINATION
SPECTRE AUX LIMITES MODIFIE PAR L'UTILISATEUR	LIMIT SPECTRUM MODIFIED BY USER
TITRE	TITLE
TRANSFERTS ENTRE TRIPLETS DE FREQUENCES	TRIAD INTERACTIONS
TRANSFERTS NON LINEAIRES INTER-FREQUENCES	NON-LINEAR TRANSFERS BETWEEN FREQUENCIES
TRIADS 1 (LTA) CONSTANTE ALPHA	TRIADS 1 (LTA) COEFFICIENT ALPHA
TRIADS 1 (LTA) CONSTANTE RFMLTA	TRIADS 1 (LTA) COEFFICIENT RFMLTA
TRIADS 2 (SPB) BORNE DIRECTIONNELLE INFERIEURE	TRIADS 2 (SPB) LOWER DIRECTIONAL BOUNDARY
TRIADS 2 (SPB) BORNE DIRECTIONNELLE SUPERIEURE	TRIADS 2 (SPB) UPPER DIRECTIONAL BOUNDARY
TRIADS 2 (SPB) CONSTANTE K	TRIADS 2 (SPB) COEFFICIENT K
TYPE DE SPECTRE DIRECTIONNEL AUX LIMITES	TYPE OF BOUNDARY DIRECTIONAL SPECTRUM
TYPE DE SPECTRE DIRECTIONNEL INITIAL	TYPE OF INITIAL DIRECTIONAL SPECTRUM
UNITE DE TEMPS DU FICHIER DES COURANTS	TIME UNIT IN CURRENTS FILE
UNITE DE TEMPS DU FICHIER DES SPECTRES IMPOSES	TIME UNIT OF IMPOSED SPECTRA FILE
UNITE DE TEMPS DU FICHIER DES VENTS	TIME UNIT IN WINDS FILE
UNITE DE TEMPS DU FICHIER DU NIVEAU DE LA MAREE	TIME UNIT IN TIDAL WATER LEVEL FILE
VALEUR AUX LIMITES DE SIGMA-A POUR SPECTRE	BOUNDARY SPECTRUM VALUE OF SIGMA-A
VALEUR AUX LIMITES DE SIGMA-B POUR SPECTRE	BOUNDARY SPECTRUM VALUE OF SIGMA-B
VALEUR INITIALE DE SIGMA-A POUR SPECTRE	INITIAL VALUE OF SIGMA-A FOR SPECTRUM
VALEUR INITIALE DE SIGMA-B POUR SPECTRE	INITIAL VALUE OF SIGMA-B FOR SPECTRUM
VALEUR MAXIMALE DU RAPPORT HM0 SUR D	MAXIMUM VALUE OF THE RATIO HM0 ON D

VALEUR MOYENNE DU FETCH AUX LIMITES	BOUNDARY MEAN FETCH VALUE
VALEUR MOYENNE DU FETCH INITIAL	INITIAL MEAN FETCH VALUE
VALIDATION	VALIDATION
VARIABLES POUR LES SORTIES GRAPHIQUES 2D	VARIABLES FOR 2D GRAPHIC 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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[1] J-M. HERVOUET. *Hydrodynamics of free surface flows. Modelling with the finite element method.* John Wiley & Sons, Ltd, Paris, 2007.