计算Stokes drift 的名词

No.	Variable	Called	IVTYPE	Type	Definition	Built in
1	Stokes drift	DRIFT	73	vector	SWAN_STOKES	2016
					SWAN_TRANSFER	2016
					BREIVIK_PHILLIPS	2017
2	Total stress	TAUTO	37	vector	SWAN_STRESS	2016
3	Dissipation stress	TAUDIS	74	vector	SWAN_STRESS	2016
4	Wind input stress	TAUWIN	75	vector	SWAN_STRESS	2016
5	Stokes transport	DTRANS	76	vector	SWAN_TRANSFER	2016
					BREIVIK_PHILLIPS	2017
6	Stokes drift profile	SHALLS	77	vector & array	SHALLOW_STK	2017
7	Stokes drift spectrum	SSPEC	78	array	SPECTRUM_STK	2017

- SWAN_STOKES: Stokes drift velocity is computed by SWAN.

- SWAN_STRESS: τ_{oc} stress is computed by SWAN.

- SWAN_TRANSPORT: Stokes drift transport is computed by SWAN.

- ROMSWN_WSTAR: τ_{air} is supplied by ROMS

- BREIVIK_PHILLIPS: Stokes profile is computed by Breivik method

- SHALLOW_STK: Stokes profile in shallow water

- SPECTRUM_STK: Stokes drift spectrum

cpp文件中，以下选项必须选一个

- SWAN_STOKES

- SWAN_TRANSPORT

- BREIVIK_PHILLIPS

- SHALLOW_STK

- SPECTRUM_STK

```
#define SWAN_STOKES      !based on the surface wave bulk parameters

#define SWAN_TRANSPORT   !based on Breivik et al., 2014 JPO

#define BREIVIK_PHILIPS  !based on the Philips spectrum, see Breivik
et al., 2016

#define STOKES_SPECTRUM  !based on the surface wave Stokes drift
spectrum
```

SWAN PRINTS STOKES PROFILE

No.	Variable	Called	IVTYPE	Type	Definition	Built in
1	Stokes drift profile	SPROF	79	array	PROFILE_STK	2017
					PROF_STOKES1	2017
					PROF_STOKES2	2017
					PROF_STOKES3	2017
					PROF_STOKES4	2017

a. PROF_STOKES1, basic Stokes in charge.

b. PROF_STOKES2, transport formulation in charge.

c. PROF_STOKES3, Breivik's method in charge.

d. PROF_STOKES4, Stokes in shallow water in charge.

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cpp文件中，以下选项只选一个

- SWAN_STOKES

- SWAN_TRANSPORT

- BREIVIK_PHILLIPS

- SHALLOW_STK

- SPECTRUM_STK

问题

SWAN_STOKES 和 BULK_STOKES 的区别

Case - - Holland_stokes

```
#define ROMS_MODEL
#define SWAN_MODEL
#define MCT_LIB
/* Coupling parameters */
#define    SWAN_STRESS
#undef     BULK_STOKES
#define    SPECTRUM_STK
#undef     SWAN_TRANSPORT
#undef     BREIVIK_PHILLIPS
```

```
#define     PROFILE_STK
#define     PROF_STOKES4
```