

# FAQ PY125 : 解析データ内の Scalar 変数名を取得する

FIELDVIEW

```

49 ## detect all
50 Btype=get_all
51 ↓
52 ## insert 'types' key
53 boundary_tableA ['type' type↓
54 ↓
55 ## modify 'boundA' hand
56 modify(boundA, boundary, eA)↓
57 ↓
58 ↓
59 #####↓
60 ## detect all scalar functions↓
61 ScalarFunc=get_scalar_functions(1)↓
62 ↓
63 ## list up all boundary types↓
64 print(" ---- key list ----")↓
65 for key in ScalarFunc.keys():↓
66     print(key)↓
67 print("")↓
68 ↓
69 print(" ---- value list ----")↓
70 for value in ScalarFunc.values():↓
71     print(value)↓
72 print("")↓
73 ↓
74 print(" ---- item list ----")↓
75 for key, value in ScalarFunc.items():↓
76     print(key, ":", value)↓
77 print("")↓
78 ↓
79 ↓
80 [EOF]

```

get\_scalar\_functions 関数

```

FIELDVIEW for Windows Console
---- key list ----
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
n

```

```

FIELDVIEW for Windows Console
---- item list ----
(1, 'X')
(2, 'Y')
(3, 'Z')
(4, 'Rcyl: (X^2+Y^2)^.5')
(5, 'Theta: atan(Y/X)')
(6, 'Rsphere: (X^2+Y^2+Z^2)^.5')
(7, 'Phi: acos(Z/Rsphere)')
(8, '(X^2+Z^2)^.5')
(9, 'atan(Z/X)')
(10, '(Y^2+Z^2)^.5')
(11, 'atan(Y/Z)')
(12, 'temperature')
(13, 'density')
(14, 'laminar viscosity')
(15, 'specific heat')
(16, 'conductivity')
(17, 'enthalpy (static)')
(18, 'concentration 1')
(19, 'u-velocity')
(20, 'v-velocity')
(21, 'w-velocity')
(n, '21')

```

```

FIELDVIEW for Windows Console
---- value list ----
X
Y
Z
Rcyl: (X^2+Y^2)^.5
Theta: atan(Y/X)
Rsphere: (X^2+Y^2+Z^2)^.5
Phi: acos(Z/Rsphere)
(X^2+Z^2)^.5
atan(Z/X)
(Y^2+Z^2)^.5
atan(Y/Z)
temperature
density
laminar viscosity
specific heat
conductivity
enthalpy (static)
concentration 1
u-velocity
v-velocity
w-velocity
21
---- item list ----

```