
Subject: WHERE function

Posted by m.goullant@gmail.com on Fri, 22 Sep 2006 17:41:44 GMT

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Hi there, I have a simple question for many of you :). Where is an example:

```
;point cloud (X,Y,Z)
```

```
x = data.x
```

```
y = data.y
```

```
z = data.z
```

```
;lets get only a point
```

```
i = 870
```

```
radio = 8
```

```
; getting only a part of the data
```

```
mySquare = WHERE(x LE x[i] + radio AND x GE x[i] - radio AND y LE y[i]  
+ radio AND y GE y[i] - radio)
```

```
Distance = sqrt((x[mySquare] - x[i])^2 + (y[mySquare] - y[i])^2)
```

```
neighbours = WHERE(Distance LE radio)
```

This is the index returned by the first WHERE Funcion:

694	695	696	697	698	699
700	701	702	737	738	739
740	741	742	743	744	745
780					
	781	782	783	784	785
786	787	788	823	824	825
826	827	828	829	830	831
866	867	868			
	869	870	871	872	873
874	909	910	911	912	913
914	915	916	917	952	953
954	955	956			
	957	958	959	960	995
996	997	998	999	1000	1001
1002	1003	1038	1039	1040	1041
1042	1043	1044			
	1045	1046			

and this is the index returned by the second WHERE function:

4	11	12	13	14	15
19	20	21	22	23	24
25	28	29	30	31	32
33					

	34	36	37	38	39
40	41	42	43	44	46
47	48	49	50	51	52
55	56	57			
	58	59	60	61	65
66	67	68	69	76	

What can I do to preserve the same index?

Thank you,
Marie
