Measurement: distance between spheres

Change to "Surface Rendering" and open "Measurement" dialog from "Main Control".

Measure distance between centers of the two spheres.

Main Control Show All Units Hide All Units Disp Unit Name Туре Rendering ... Color \checkmark Surfac path W:¥チュートリアル用_MolcerPlus¥旧版¥計測:球間距離を測りたい¥XY¥ color of all units unit name SurfaceR Save Load rendering type 🛛 A 🗸 color Back unit Preference New Delete Solid Measurement Measurement Noniue ilter alysis nalysis

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Measurement	×
have an	
Dasic fitting	
Opoint Oline (2 points)	or more)
O plane (3 points or more) sphere (4 points	ts or more)
Cylinder (6 points or more) Cone (6 points	or more)
coordinates (x, y, z) (measuring unit: mm)	
	^
<	>
number of points: 0	

Close All Close Last Boist

Show "fitting" tab and select "sphere (4 points or more)".

Click on the target sphere over four times (green points) to define sphere (red wire frame) and press "Set". If fitting to sphere failed, click more points scattered.



Measurement	Х
basic fitting	
 point line (2 points or more) plane (3 points or more) sphere (4 points or more) 	2)
O cylinder (6 points or more) O cone (6 points or more)	· .
target dipping plane coordinates (x, y, z) (measuring unit: mm)	
-0.148989, 0.0701721, -0.140211 -0.173508, -0.000472873, -0.188194 -0.207122, 0.0805199, -0.181806 -0.131943, 0.109364, -0.160673	^
< >>	~
Set Clear All Clear Last Point	
Make Make	
Clear Selected Delete result (measuring unit: mm)	
center = -0.1454, 0.0606603, -0.210302 diameter = 0.141649, volume = 0.00148812	~

Set sphere is drawn by yellow wireframe and "sphere1" is added to list.



Measurement X
basic fitting
O point O line (2 points or more) O plane (3 points or more) Image: sphere (4 points or more) O cylinder (6 points or more) Cone (6 points or more)
target dipping plane
A 100 000 000 000 000 000 000 000 000 00
< >
number of points: 0
Set Clear All Clear Last Point
Set Clear All Clear Last Point
Set Clear All Clear Last Point sphere 1
Set Clear All Clear Last Point sphere1
Set Clear All Clear Last Point sphere1
Set Clear All Clear Last Point sphere 1
Set Clear All Clear Last Point sphere 1
Set Clear All Clear Last Point sphere1

Click on another sphere over four times (green points) to define sphere (red wire frame) and press "Set".



Measurement >	<
basic fitting	
O point O line (2 points or more) O plane (3 points or more) Sphere (4 points or more) O cylinder (6 points or more) Cone (6 points or more)	
target dipping plane coordinates (x, y, z) (measuring unit: mm)	
0.0366151, 0.0858747, 0.190237 0.0201428, 0.0367115, 0.176497 0.000942618, 0.0834261, 0.151278 0.0694775, 0.106058, 0.183874	
< >> ×	
Set Clear All Clear Last Point	
sphere 1	
Make Make	
Clear Selected Delete	
result (measuring unit: mm) center = 0.0619585, 0.0642572, 0.132502 diameter = 0.133311, volume = 0.00124049	

Set sphere is drawn by yellow wireframe and "sphere2" is added to the list.



Measurement X	<
basic fitting	
O point O line (2 points or more) O plane (3 points or more) Sphere (4 points or more) O cylinder (6 points or more) O cone (6 points or more)	
target dipping plane	
^	
<	
number of points: 0	
Set Clear All Clear Last Point	
sphere2	
sphere1	
Make Make	
Clear Selected Delete	
result (measuring unit: mm)	
^	
~ ·	

Select "sphere1" and "sphere2" by Ctrl + click and "distance between center of sphere2 and center of sphere1" is shown in "result" area. Selected spheres are drawn by cyan wireframe and line goes through both center of "sphere1" and "sphere2" is drawn red.

basic fitting
Opoint Oline (2 points or more) Oplane (3 points or more) Osphere (4 points or more) Ocylinder (6 points or more) Cone (6 points or more)
coordinates (x, y, z) (measuring unit: mm)
^
~
<
Set Clear All Clear Last Point
sphere2 sphere1
Make Line Make
Clear Selected Delete
result (measuring unit: mm) een center of sphere2 and center of sphere1 = 0.400655

