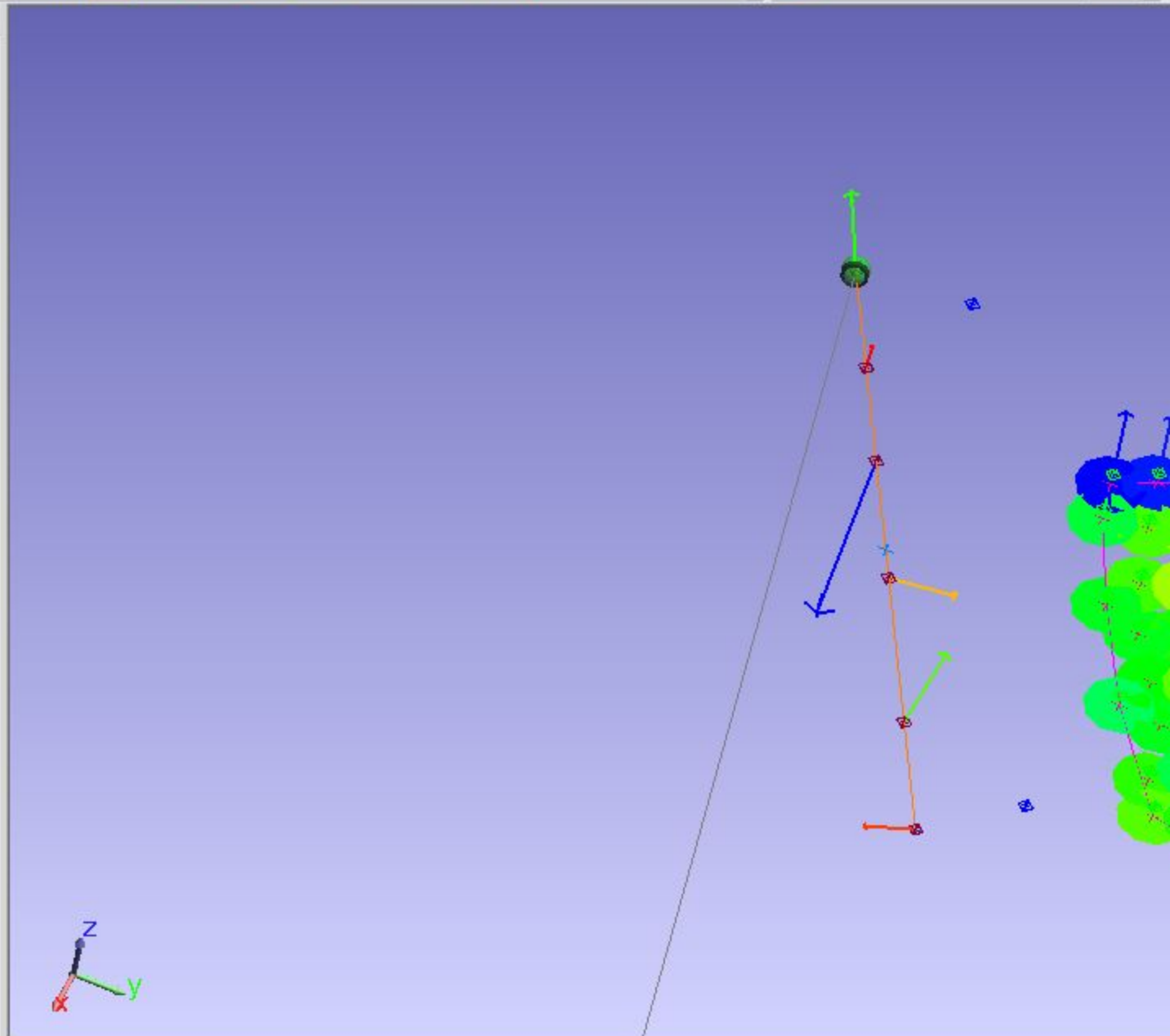


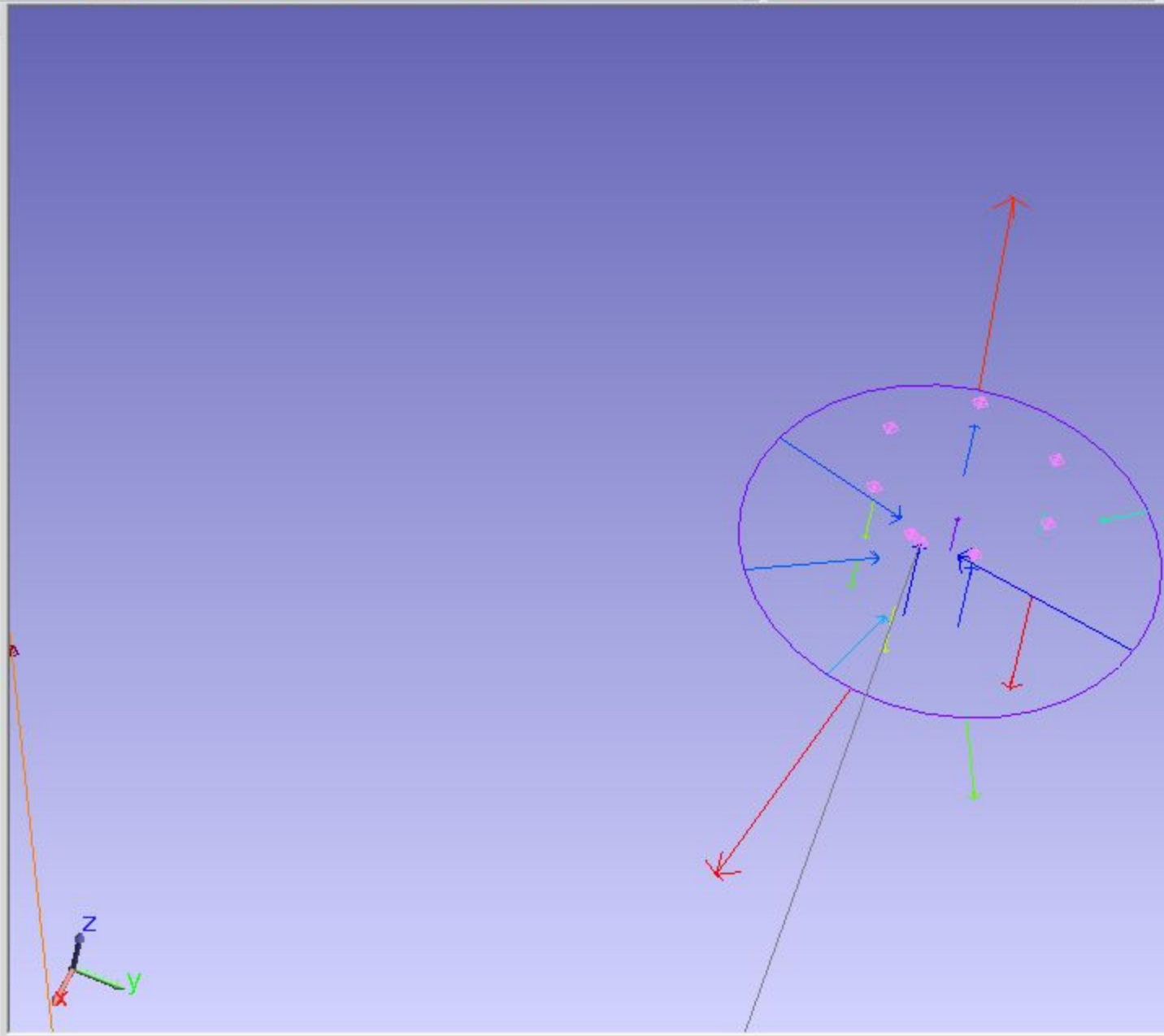
SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ Плоскость Cardinal Points
 - ▶ Плоскость Offset Points
 - ▶ Линия
 - ▶ Линия Cardinal Points
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Default Folder



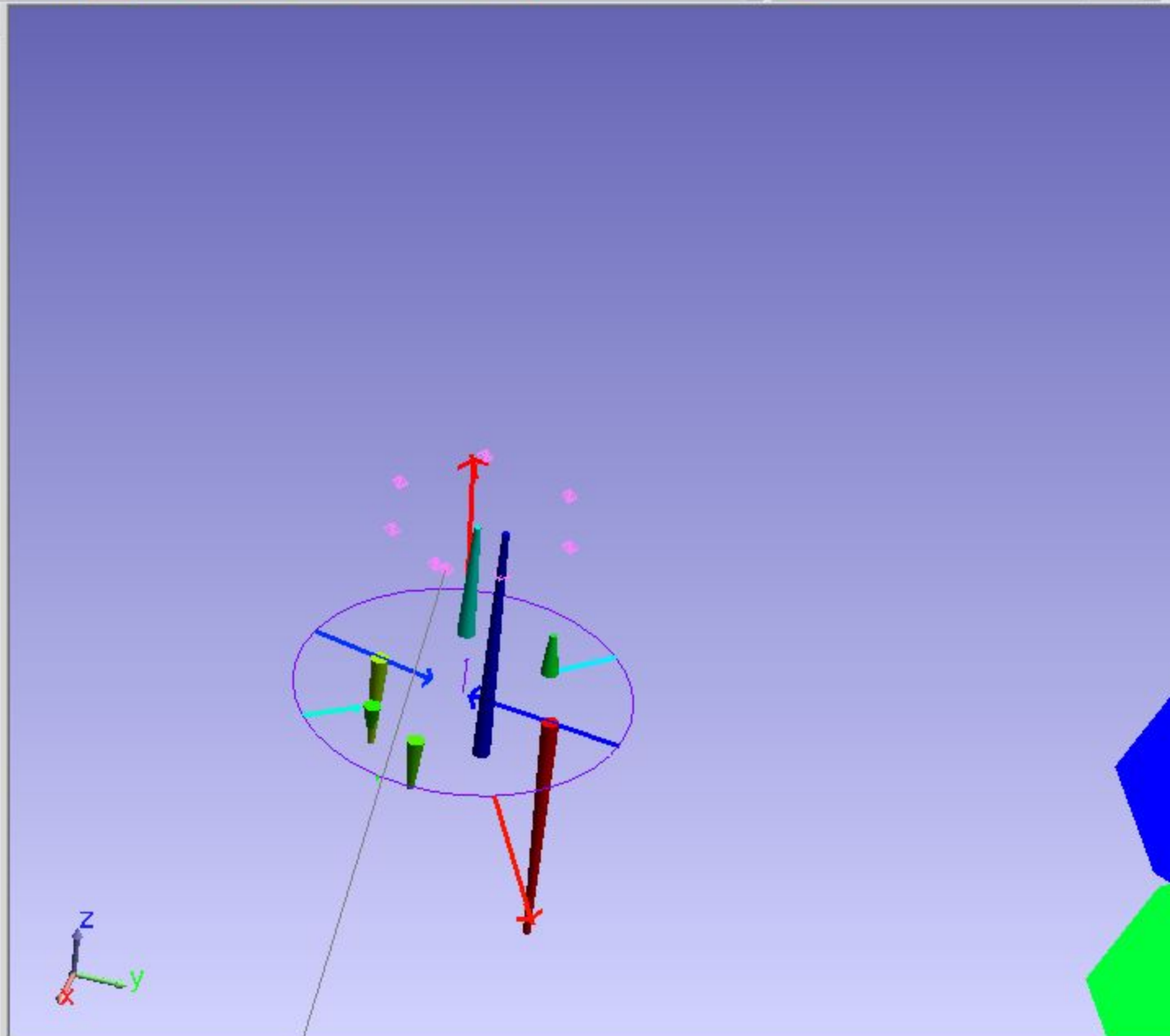
SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ 1
 - ▶ 2
 - ▶ 3
 - ▶ 4
 - ▶ 5
 - ▶ 6
 - ▶ 7
 - ▶ 8
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Circles
- ▶ Default Folder



SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ 1
 - ▶ 2
 - ▶ 3
 - ▶ 4
 - ▶ 5
 - ▶ 6
 - ▶ 7
 - ▶ 8
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Circles
- ▶ Default Folder



Vector Group Properties

Collection: A

Name: VG-Rad. Отверстие

Notes:

Components Included in Vector

X Y Z

Statistics for Mag

Max:	0.09	Num:	7
Avg:	0.00	StdDev from Zero:	0.01
Min:	-0.12	StdDev from Avg:	0.08

Draw As

Arrows
 Blotches
 Tubes
 Blotches + Arrows

Scale

Magnification: 100.0
Line Width: 3
Blotch Size: 1.0

Label Vectors Show Out of Tol. Only Tolerance

Color Bar

Show In View Show Percentages
 Show Fractions

Set Base Color Report Colorization

Update Menu Close

Vector Group Properties X

Collection: A

Name: VG: Отверстие

Notes:

Components Included in Vector

X Y Z

Statistics for Mag

Max:	0.07	Num:	7
Avg:	-0.00	StdDev from Zero:	0.00
Min:	-0.07	StdDev from Avg:	0.05

Draw As

Arrows

Blotches

Tubes

Blotches + Arrows

Scale

Magnification: 200.0

Line Width: 2

Blotch Size: 1.0

Label Vectors Show Out of Tol. Only

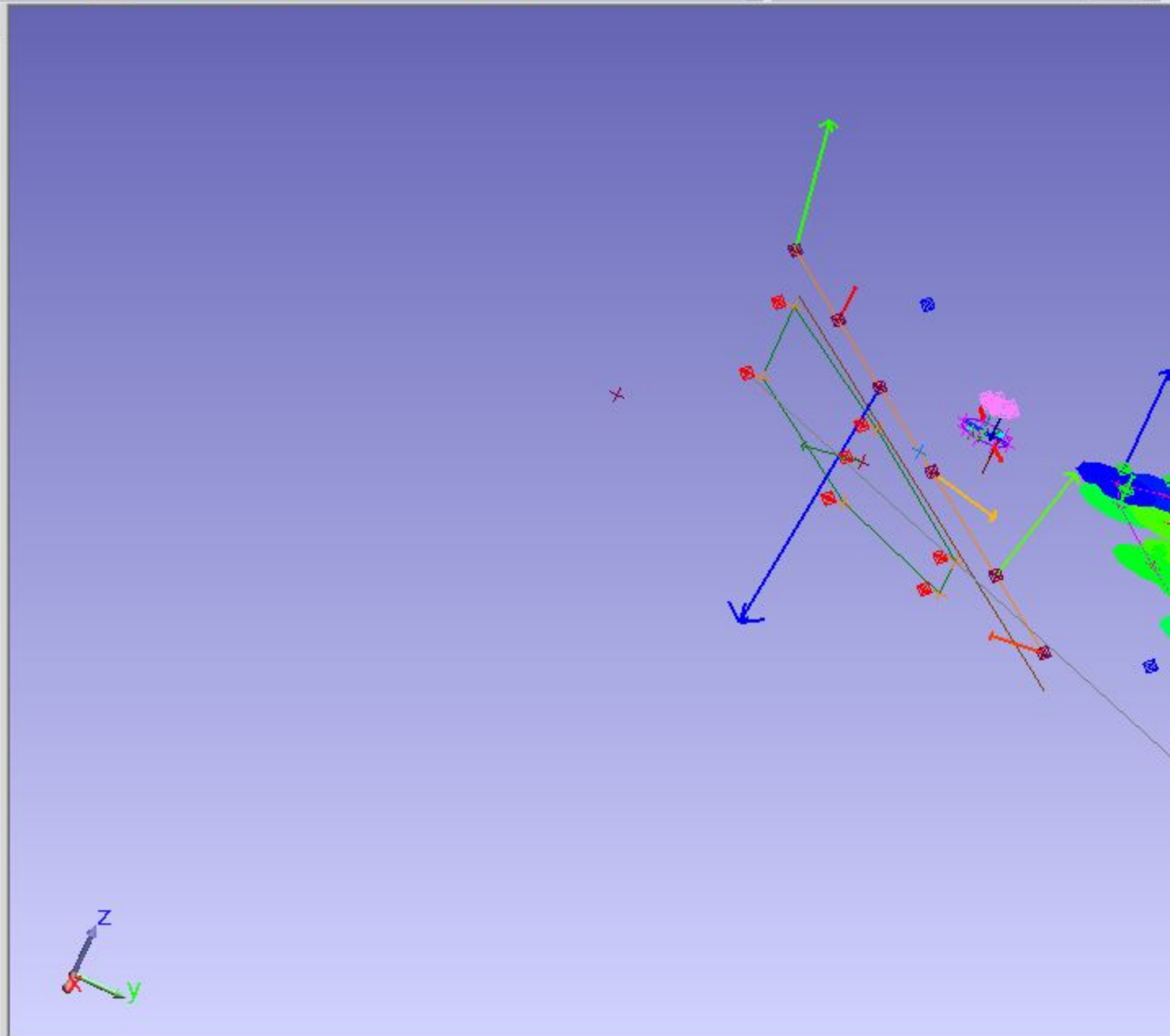
Color Bar

Show In View Show Percentages

Show Fractions

SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ ОтверстиеCardinal Points
 - ▶ ОтверстиеOffset Points
 - ▶ Торец
 - ▶ ТорецCardinal Points
 - ▶ ТорецOffset Points
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Circles
- ▶ Default Folder



SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ Плоскость Cardinal Points
 - ▶ Плоскость Offset Points
 - ▶ Линия
 - ▶ Линия Cardinal Points
 - ▶ Отверстие
 - ▶ Отверстие Cardinal Points
 - ▶ Отверстие Offset Points
 - ▶ Торец
 - ▶ Торец Cardinal Points
 - ▶ Торец Offset Points
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Circles
- ▶ Default Folder

Frame Wizard

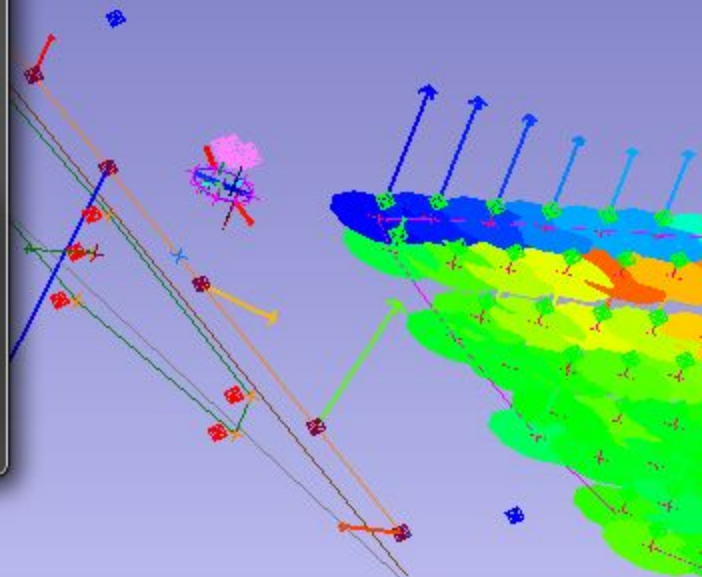
Primary Axis
+Z | Object | 2 Points | Origin & Pt.
Undefined.

Secondary Axis
+X | Object | 2 Points | Origin & Pt.
Undefined.

Origin
Select Point | Select Object
Undefined.
Enter Values in Frame

Resulting Frame
Name: New Frame | Apply
Undefined. Set Working Frame

Accept | Cancel



SA TreeBar

- ▶ A
- ▶ Frames
- ▶ Instruments
- ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ ОтверстиеCardinal Points
 - ▶ ОтверстиеOffset Points
 - ▶ Торец
 - ▶ ТорецCardinal Points
 - ▶ ТорецOffset Points
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
- ▶ Circles
- ▶ Default Folder

Frame Wizard ✕

Primary Axis

+Z ▾ Object 2 Points Origin & Pt.

Plane: A::Плоскость

Secondary Axis

+X ▾ Object 2 Points Origin & Pt.

Line: A::Линия

Origin

Select Point Select Object

Point: A::ЛинияCardinal Points:Mid

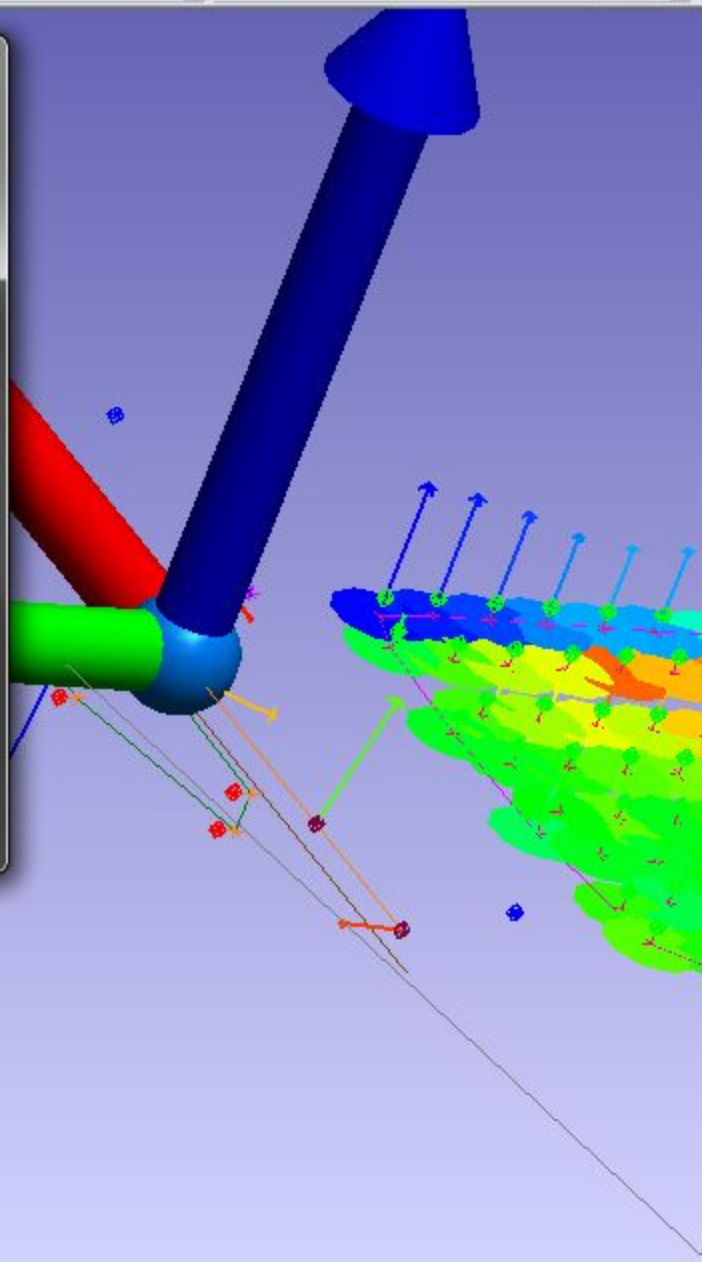
Enter Values in Frame

Resulting Frame

Name: CK отрезка Apply

Valid Frame Created! Set Working Frame

Accept Cancel



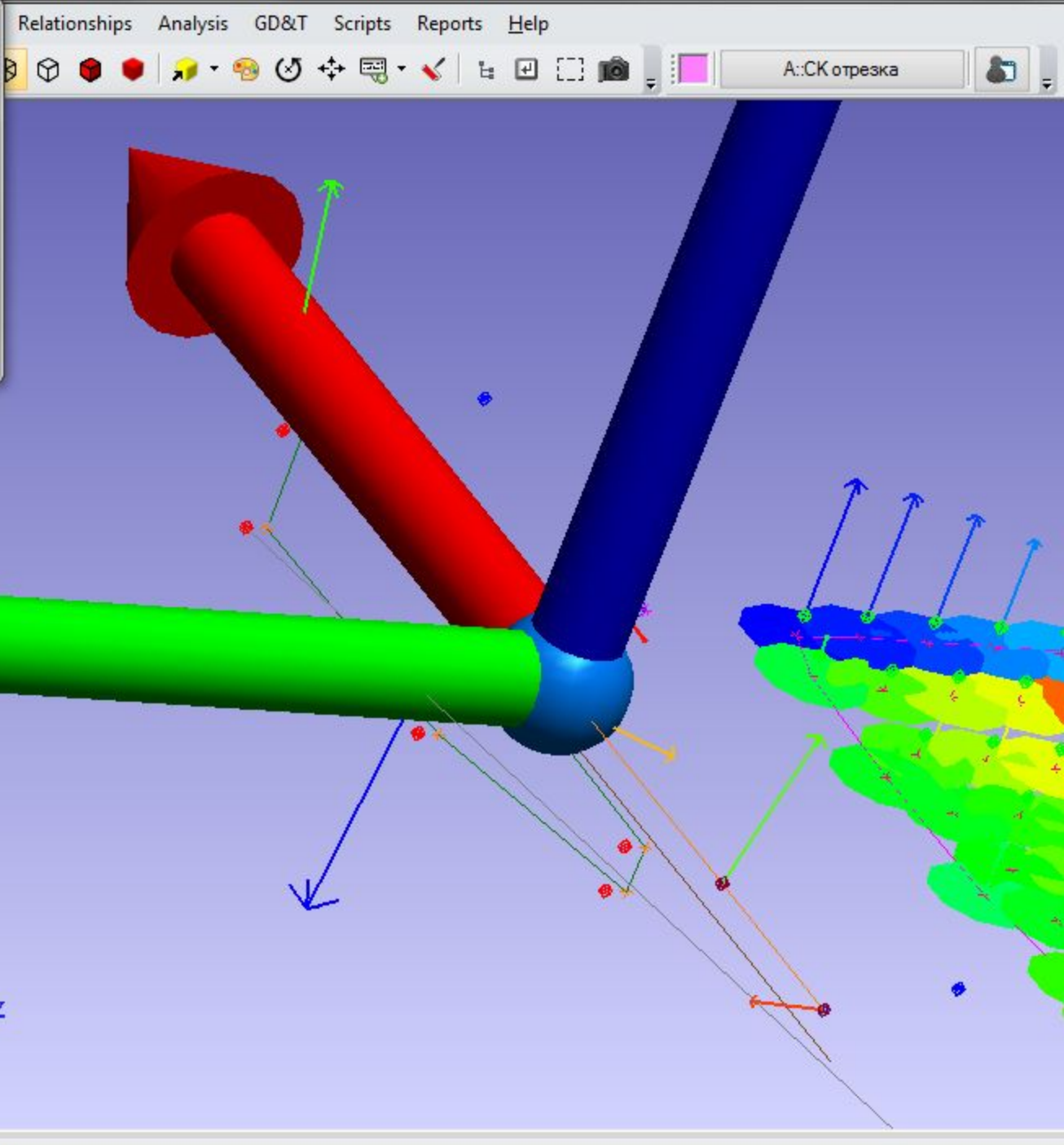
Copy Objects

Position		Orientation	
X	0.0	RX	0.0
Y	0.0	RY	0.0
Z	0.0	RZ	0.0

Cartesian XYZ XYZ Fixed Angles

Update Reset View Matrix

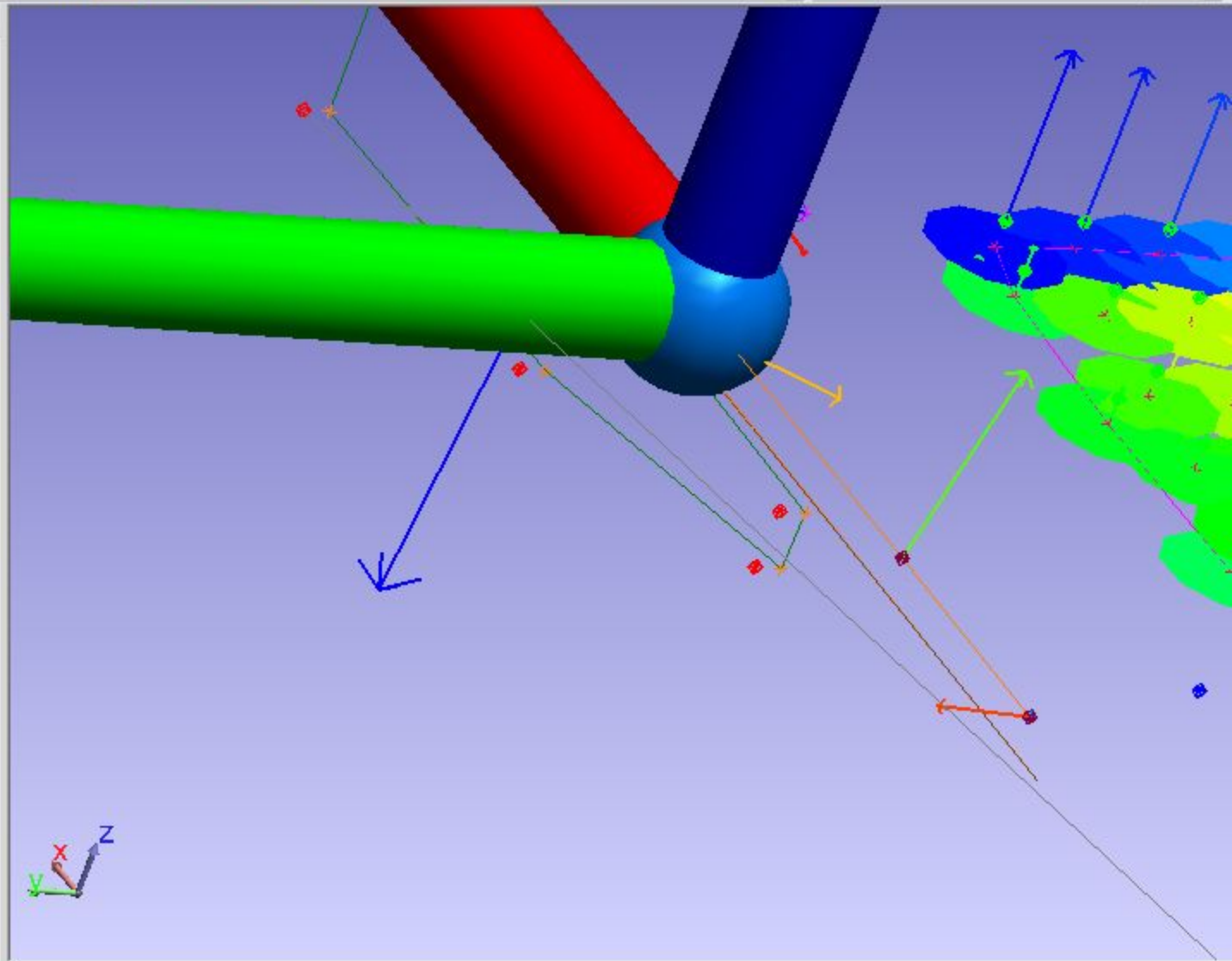
Copy Paste



- ▶ Линия
- ▶ ЛинияCardinal Points
- ▶ Отверстие
- ▶ ОтверстиеCardinal Points
- ▶ ОтверстиеOffset Points
- ▶ Торец
- ▶ ТорецCardinal Points
- ▶ ТорецOffset Points
- ▶ Planes
- ▶ Vector Groups
- ▶ Events
- ▶ Lines
 - Линия
 - Line
 - Линия1
- ▶ Circles
- ▶ Default Folder

SA TreeBar

- ▲ A
 - ▲ Frames
 - WORLD
 - СК отрезка
 - ▶ Instruments
 - ▲ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ ОтверстиеCardinal Points
 - ▶ ОтверстиеOffset Points
 - ▶ Торец
 - ▶ ТорецCardinal Points
 - ▶ ТорецOffset Points
 - ▶ Planes
 - ▶ Vector Groups
 - ▶ Events
 - ▲ Lines
 - Линия
 - Line
 - Линия1
 - ▶ Circles
 - ▲ Relationships
 - ▶ Direction: Line to Линия1
 - ▶ Default Folder

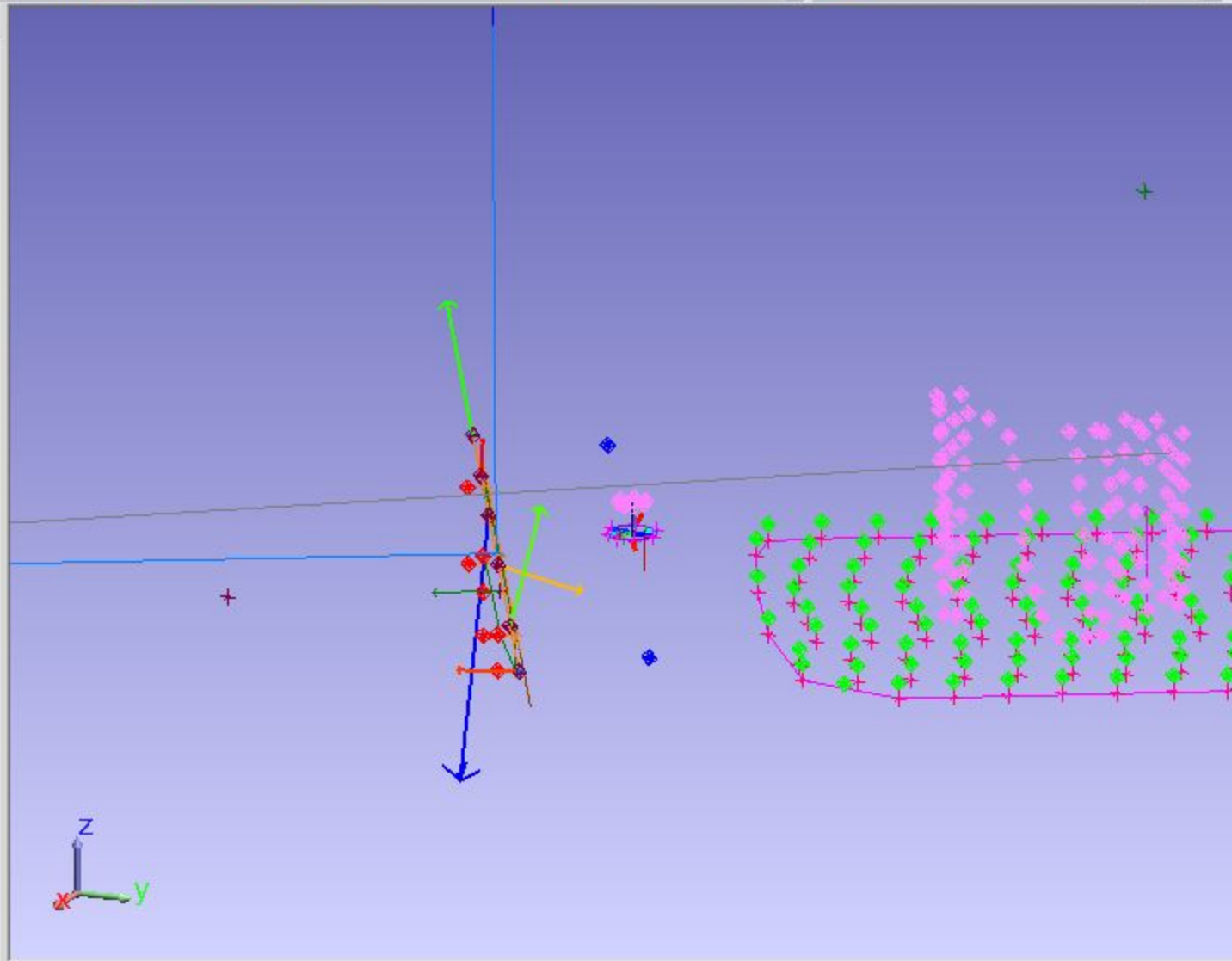


Report Bar

Relationship
Direction: Line to Линия1

SA TreeBar

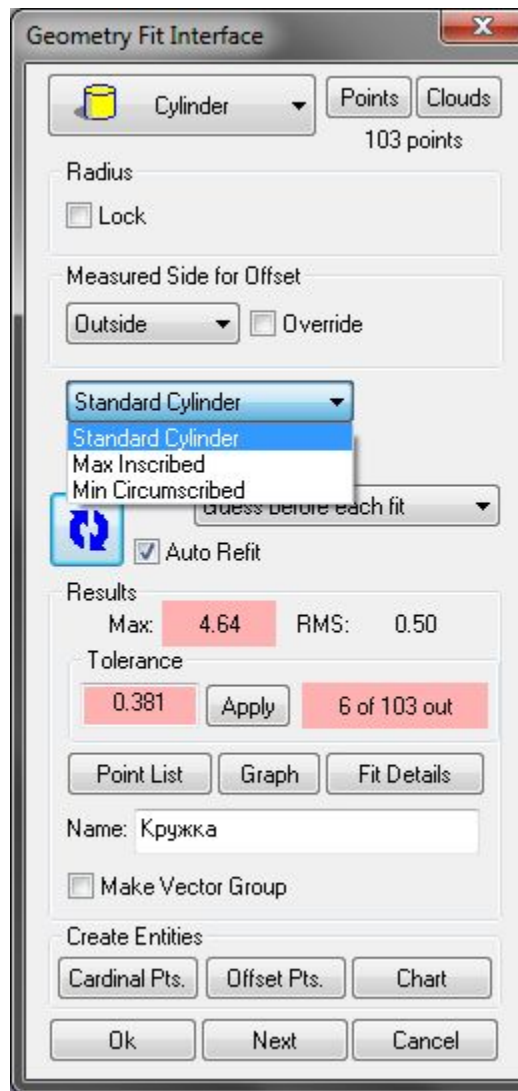
- ▲ A
 - ▲ Frames
 - WORLD
 - СК отрезка
 - ▶ Instruments
 - ▲ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ ОтверстиеCardinal Points
 - ▶ ОтверстиеOffset Points
 - ▶ Торец
 - ▶ ТорецCardinal Points
 - ▶ ТорецOffset Points
 - ▶ Кружка
 - ▶ Planes
 - ▲ Vector Groups
 - VG: Плоскость
 - VG: Линия
 - VG: Отверстие
 - VG-Rad: Отверстие
 - ▶ Events
 - ▶ Lines
 - ▶ Circles
 - ▶ Relationships
 - ▶ Default Folder



Report Bar

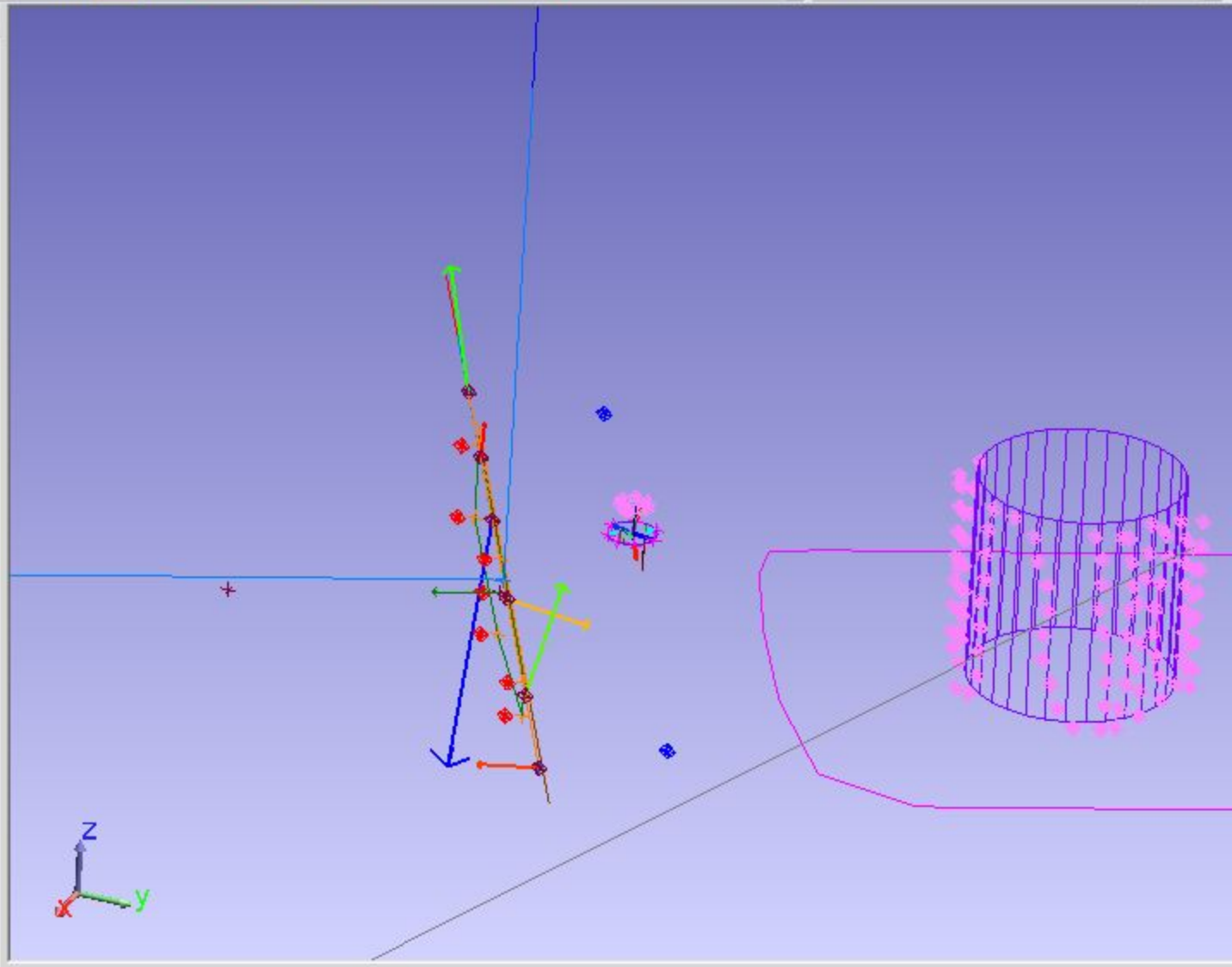
Report Bar icons: Camera, Print, Magnifying Glass

All Vectors Summary: Vector Group	
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SA TreeBar

- ▲ A
 - ▲ Frames
 - WORLD
 - СК отрезка
 - ▶ Instruments
 - ▲ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ Плоскость Cardinal Points
 - ▶ Плоскость Offset Points
 - ▶ Линия
 - ▶ Линия Cardinal Points
 - ▶ Отверстие
 - ▶ Отверстие Cardinal Points
 - ▶ Отверстие Offset Points
 - ▶ Торец
 - ▶ Торец Cardinal Points
 - ▶ Торец Offset Points
 - ▶ Кружка
 - ▶ Planes
 - ▶ Vector Groups
 - ▶ Events
 - ▶ Lines
 - ▶ Circles
 - ▶ Relationships
 - ▶ Cylinders
 - ▶ Default Folder

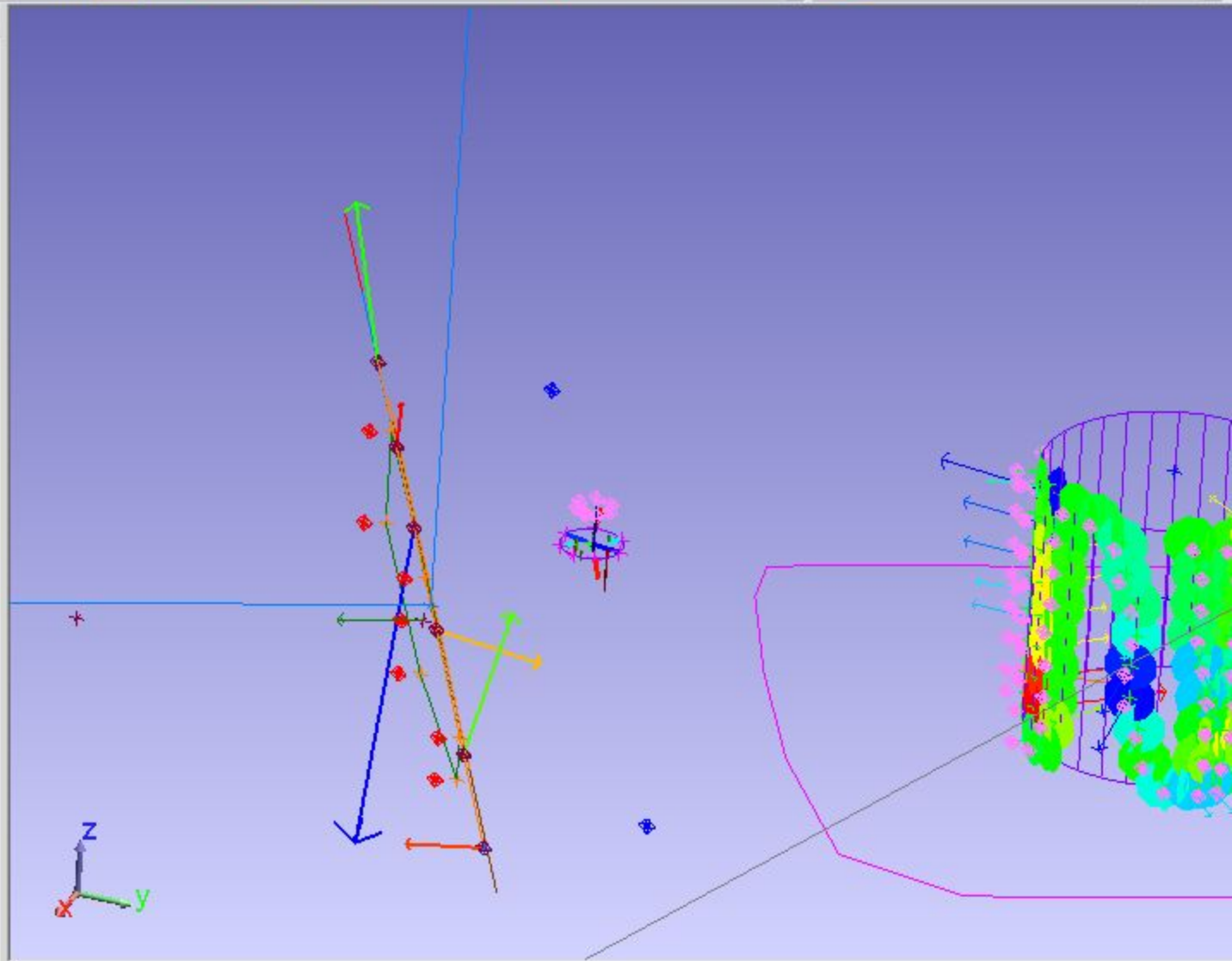


Report Bar

Report Bar interface showing a grid and a blue box containing the text "Cylinder".

SA TreeBar

- ▲ A
 - ▶ Frames
 - WORLD
 - СК отрезка
 - ▶ Instruments
 - ▶ Point Groups
 - ▶ Точки
 - ▶ Плоскость
 - ▶ ПлоскостьCardinal Points
 - ▶ ПлоскостьOffset Points
 - ▶ Линия
 - ▶ ЛинияCardinal Points
 - ▶ Отверстие
 - ▶ ОтверстиеCardinal Points
 - ▶ ОтверстиеOffset Points
 - ▶ Торец
 - ▶ ТорецCardinal Points
 - ▶ ТорецOffset Points
 - ▶ Кружка
 - ▶ КружкаCardinal Points
 - ▶ КружкаOffset Points
 - ▶ Planes
 - ▶ Vector Groups
 - ▶ Events
 - ▶ Lines
 - ▶ Circles
 - ▶ Relationships
 - ▶ Cylinders
 - ▶ Default Folder



Report Bar

Report Bar area containing a grid and a blue box with the text "Cylinder".

Plane Fit

Default Plane

Positive Point

Tolerance: 0.2539994

Ignore All Out of Tolerance Pts

Legend

Active

In Tolerance

Out of Tol.

Ignored

Export

Make Whisker Plot

Make Cardinal Pts

Make Offset Pts

Make Geometry

OK

Cancel

Name	Error [MD]	Weight
Плоскость ...	0.0201	1.0000
Плоскость ...	0.0184	1.0000
Плоскость ...	-0.0171	1.0000
Плоскость ...	-0.0132	1.0000
Плоскость ...	0.0128	1.0000
Плоскость ...	-0.0125	1.0000
Плоскость ...	0.0103	1.0000
Плоскость ...	-0.0071	1.0000
Плоскость ...	0.0070	1.0000
Плоскость ...	-0.0068	1.0000

Плоскость ...	0.0749	0.0000
Плоскость ...	0.0643	0.0000
Плоскость ...	0.0463	0.0000

Results

DEVIATION STATS (excluding ignored points)

Mean = 0.000000 RMS = 0.009135 mm

Magnitude

|Max| = 0.020060 |Min| = 0.000424 mm

Signed

Max = 0.020060 Min = -0.017144 mm

Working Frame: Working Frame, Units: mm

Plane Name: Плоскость 2

Normal: x=0.00, y=0.00, z=1.00