

Contents

1	Affine and Euclidian geometry	2
1.1	Affine spaces	2
1.1.1	Lines	2
1.1.2	Parallel lines	2
1.2	Euclidian space	2
1.2.1	Euclidian metric	2
1.2.2	Length	2
1.2.3	Angles	2
1.2.4	Area	2
1.2.5	Volume	2
1.3	Elementary geometry in 2 dimensions	2
1.3.1	Circle	2
1.3.2	Triangle	2
1.3.3	Quadrilaterals	2
1.3.4	Pentagon	2
1.4	Affine spaces	2
1.4.1	Sphere	2

1 Affine and Euclidian geometry

1.1 Affine spaces

1.1.1 Lines

1.1.2 Parallel lines

1.2 Euclidian space

1.2.1 Euclidian metric

1.2.2 Length

1.2.3 Angles

1.2.4 Area

1.2.5 Volume

1.3 Elementary geometry in 2 dimensions

1.3.1 Circle

1.3.2 Triangle

1.3.3 Quadrilaterals

1.3.4 Pentagon

1.4 Affine spaces

1.4.1 Sphere

1.4.1.1 Pyramid

1.4.1.2 Cone