

- Each element first's information is the type identifier (composed by one or two character(s)), followed by all specific information for each object in a strict order such as:

- * Resolution:

```
R 1920 1080
```

- identifier: **R**
- x render size
- y render size

- * Ambient lightning:

```
A 0.2 255,255,255
```

- identifier: **A**
- ambient lighting ratio in range [0.0,1.0]: **0.2**
- R,G,B colors in range [0-255]: **255, 255, 255**

- * Camera:

```
c -50.0,0,20 0,0,1 70
```

- identifier: **c**
- x,y,z coordinates of the view point: **0.0,0.0,20.6**
- 3d normalized orientation vector. In range [-1,1] for each x,y,z axis: **0.0,0.0,1.0**
- FOV : Horizontal field of view in degrees in range [0,180]

- * Light:

```
l -40.0,50.0,0.0 0.6 10,0,255
```

- identifier: **l**
- x,y,z coordinates of the light point: **0.0,0.0,20.6**
- the light brightness ratio in range [0.0,1.0]: **0.6**
- R,G,B colors in range [0-255]: **10, 0, 255**

- * Sphere:

```
sp 0.0,0.0,20.6 12.6 10,0,255
```

- identifier: **sp**
- x,y,z coordinates of the sphere center: **0.0,0.0,20.6**
- the sphere diameter: **12.6**
- R,G,B colors in range [0-255]: **10, 0, 255**

* Plane:

```
pl 0.0,0.0,-10.0 0.0,1.0,0.0 0,0,225
```

- identifier: **pl**
- x,y,z coordinates: **0.0,0.0,-10.0**
- 3d normalized orientation vector. In range [-1,1] for each x,y,z axis:
0.0,0.0,1.0
- R,G,B colors in range [0-255]: **0, 0, 255**

* Square:

```
sq 0.0,0.0,20.6 1.0,0.0,0.0 12.6 255,0,255
```

- identifier: **sq**
- x,y,z coordinates of the square center: **0.0,0.0,20.6**
- 3d normalized orientation vector. In range [-1,1] for each x,y,z axis:
1.0,0.0,0.0
- side size: **12.6**
- R,G,B colors in range [0-255]: **255, 0, 255**

* Cylinder:

```
cy 50.0,0.0,20.6 0.0,0.0,1.0 14.2 21.42 10,0,255
```

- identifier: **cy**
- x,y,z coordinates: **50.0,0.0,20.6**
- 3d normalized orientation vector. In range [-1,1] for each x,y,z axis:
0.0,0.0,1.0
- the cylinder diameter: **14.2**
- the cylinder height: **21.42**
- R,G,B colors in range [0,255]: **10, 0, 255**

* Triangle:

```
tr 10.0,20.0,10.0 10.0,10.0,20.0 20.0,10.0,10.0 0,0,255
```

- identifier: **tr**
- x,y,z coordinates of the first point: **10.0,20.0,10.0**
- x,y,z coordinates of the second point: **10.0,10.0,20.0**
- x,y,z coordinates of the third point: **20.0,10.0,10.0**
- R,G,B colors in range [0,255]: **0, 255, 255**