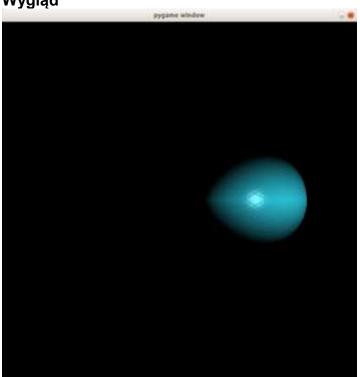
Grafika Komputerowa

Oświetlenie – konspekt

Obsługa

- Q, A = translacja x
- W, S = translacja y
- E, D = translacja z

Wygląd



Matematyka

```
triangle_center = preprocessing.normalize(self.get_triangle_center(triangle).reshape(1, 1)).reshape(1, 1)
triangle_normal = preprocessing.normalize(self.get_triangle_normal(triangle, triangle_center).reshape(1, 1))
light_dir = preprocessing.normalize(self.get_light_dir(triangle_center, self.light_source))
diffuse = np.array(self.light_source.albedo) * self.light_source.intensity * max(0, np.dot(triangle_normal, 1 light_dir))
reflection = self.reflect(light_dir, triangle_normal);
   power = math.pow(np.muximum(0, np.dot(reflection, -1 triangle_center)[0]), self.light_source.n)
power sys.maxsize
specular self.light_source.intensity power
colour diffuse self.light_source.kd specular self.light_source.ks
return colour.reshape(1,1)
```