

$$m=0.3 \tag{1}$$

$$f_0=0.4 \tag{2}$$

$$Beckmann(m,t)=\exp((t*t-1)/(m*m*t*t))/(m*m*t*t*t*t) \tag{3}$$

$$Fresnel(f_0,u)=f_0+(1-f_0)*((1-u)^5) \tag{4}$$

$$H=\vec{h} \tag{5}$$

$$V=\vec{\omega}_o \tag{6}$$

$$L=\vec{\omega}_i \tag{7}$$

$$N=\vec{n} \tag{8}$$

$$D=Beckmann(m,(N\cdot H)) \tag{9}$$

$$F=Fresnel(f_0,(V\cdot H)) \tag{10}$$

$$G=1/(N\cdot V) \tag{11}$$

$$val=\max(D*G,0.0)\cdot F \tag{12}$$

$$color=1,0.5,1 \tag{13}$$

$$f= color*val/(N\cdot L) \tag{14}$$