Fig. 1. Two-dimensional, in (*x*, *y*) plane, electromagnetic wave propagates in inhomogeneous bianisotropic cylindrically symmetric medium.

Fig. 2. Differential cross-section of the plane electromagnetic wave in free space scattered by inhomogeneous cylinder with material parameters (20). *1* – Wave’s TE polarization, *2* – wave’s TM polarization. Parameters: *k*0*R*=1, γ=1.2, *m*12=1, *m*21=2, *q*21=1, *q*22=2, *q*31=3, *q*32=1.