

Table 1 Specifications of the samples for analysis.

Name	Specifications
G	Glossy paper (Seiko Epson, PMA4SP1)
PPC	Paper for plain copy (NBS Ricoh, 90-1312)
MC	Matte coated paper (Seiko Epson, MJA4SP1)

Table 2 Geometries for gonio photometry.

Illumination (6 directions)		Observation (161 directions)	
θ_i [deg]	ϕ_i [deg]	θ_r [deg]	ϕ_r [deg]
20	0	0 ~ 80 (Δ 1)	0 or 180
30			
45			
60			
65			
70			

Table 3 Parameters of the TSL model approximating the gonio radiance factor of gold-coated paper sheets.

Sample	σ [deg]	k_{TS}	k_L
Glossy paper (G)	0.90	148.4	2.930
Paper for plain copy (PPC)	12.8	0.469	0.135
Matte coated paper (MC)	11.0	0.707	0.355

Table 4 Deviations of gonio radiance factor between measurements and TSL-model approximations.

Sample	RMSE	Range of radiance factor	Normalized RMSE [%]
Glossy paper (G)	9.164	567.3	1.62
Paper for plain copy (PPC)	0.039	2.246	1.76
Matte coated paper (MC)	0.061	3.239	1.89

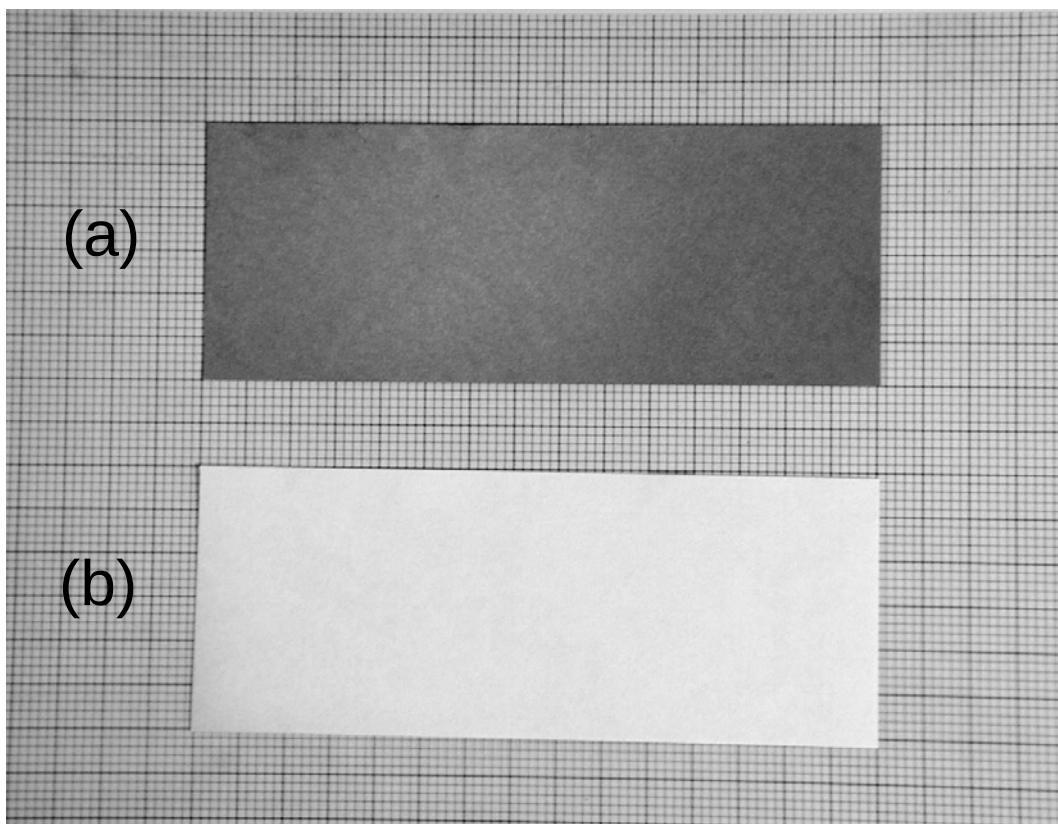
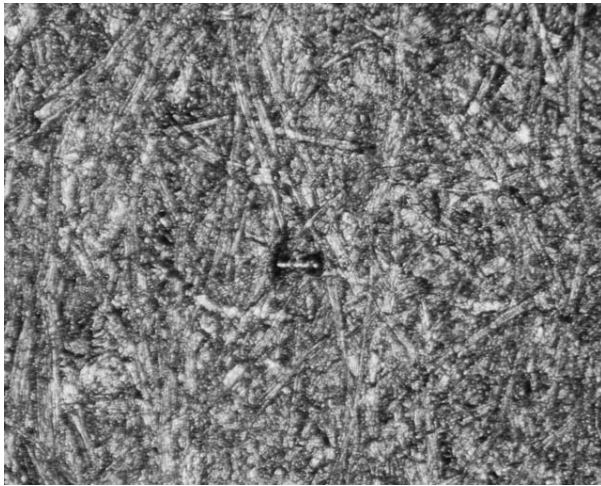
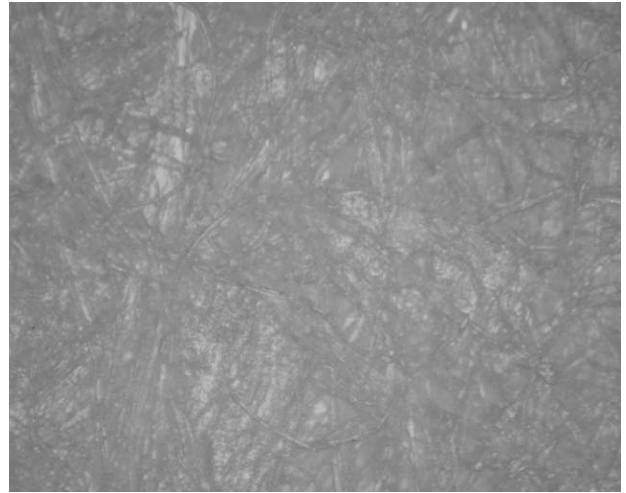


Fig.1



(a)



(b)

Fig.2

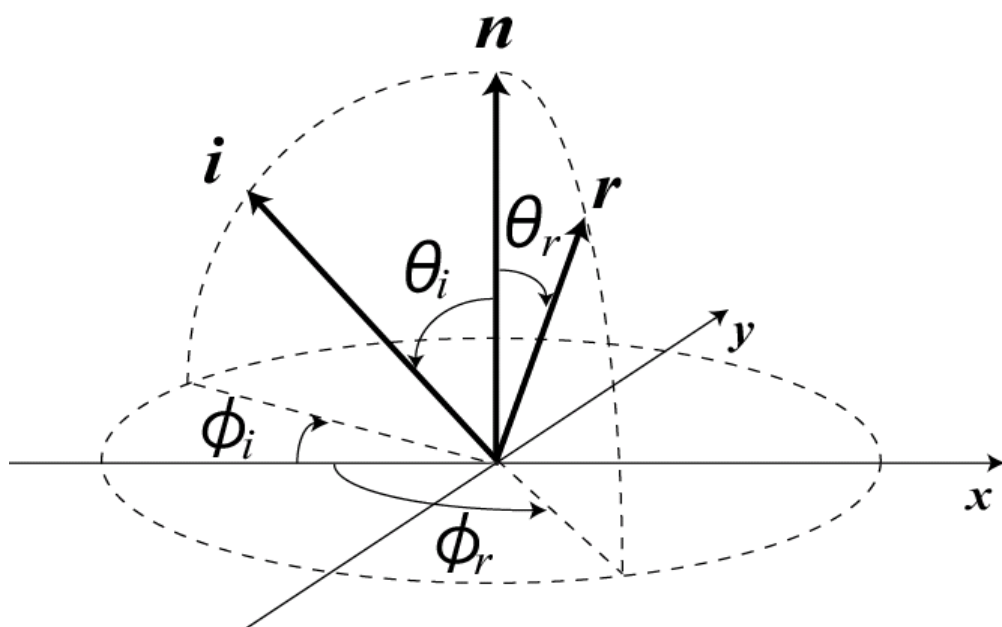


Fig.3

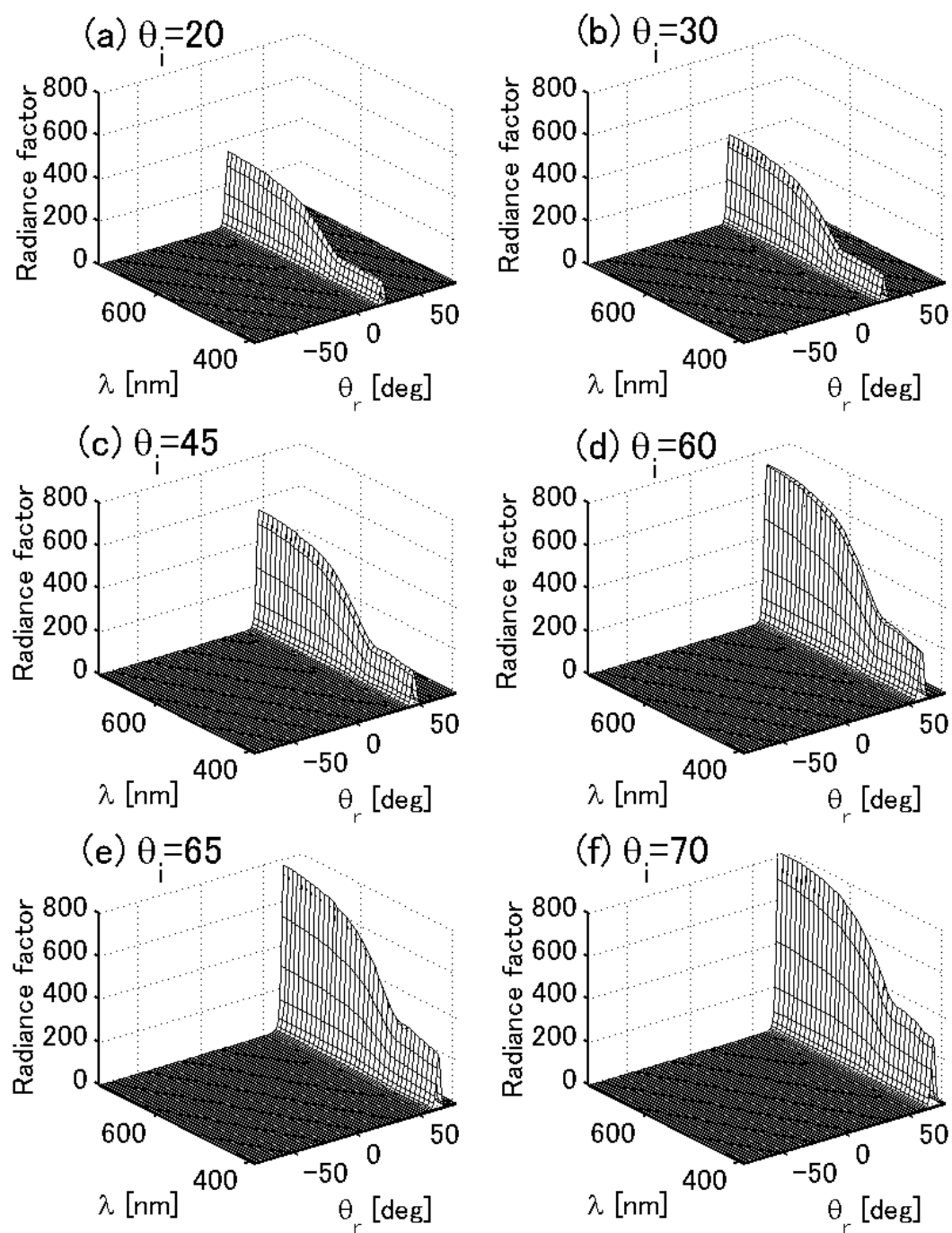


Fig.4

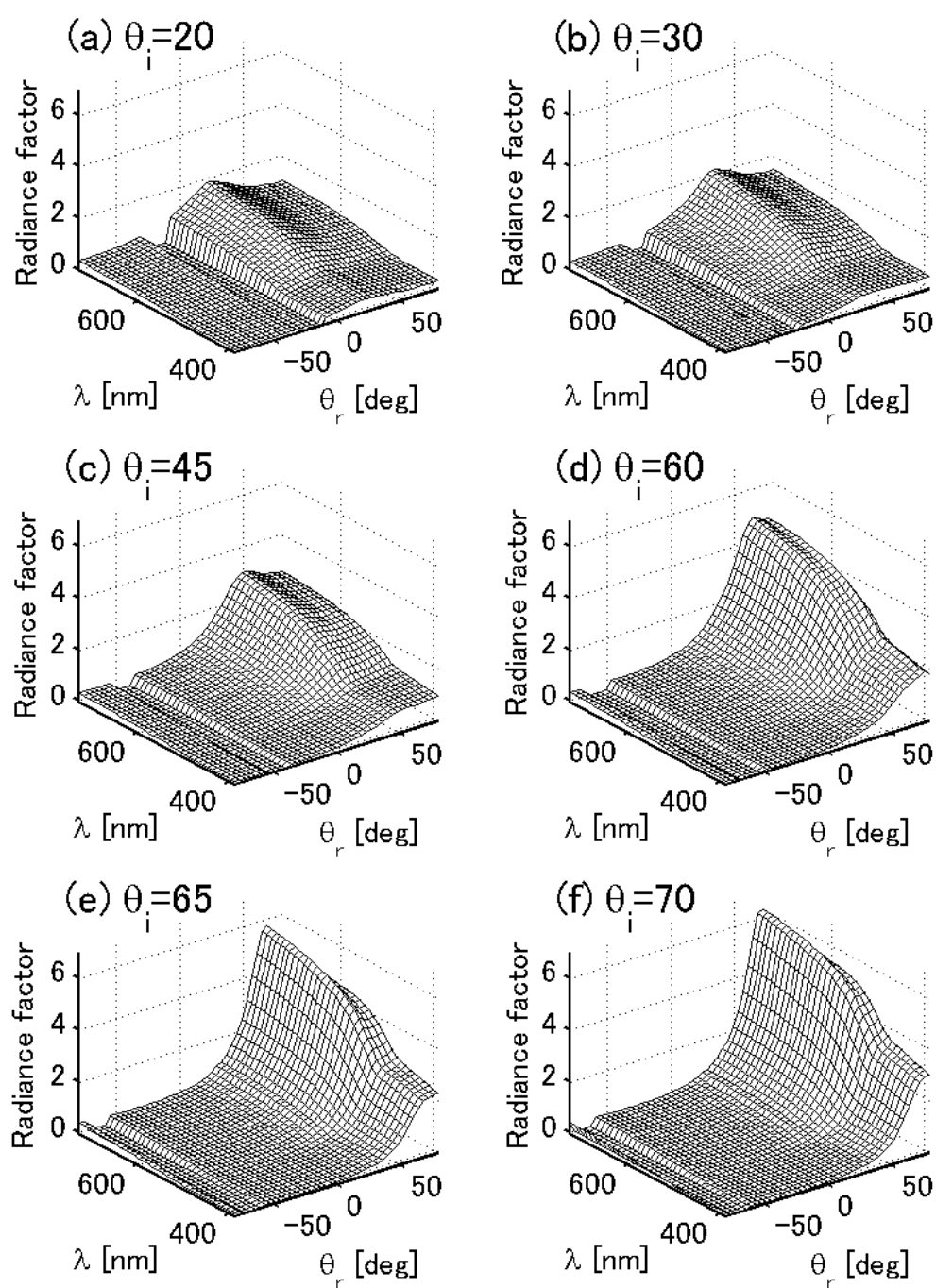


Fig.5

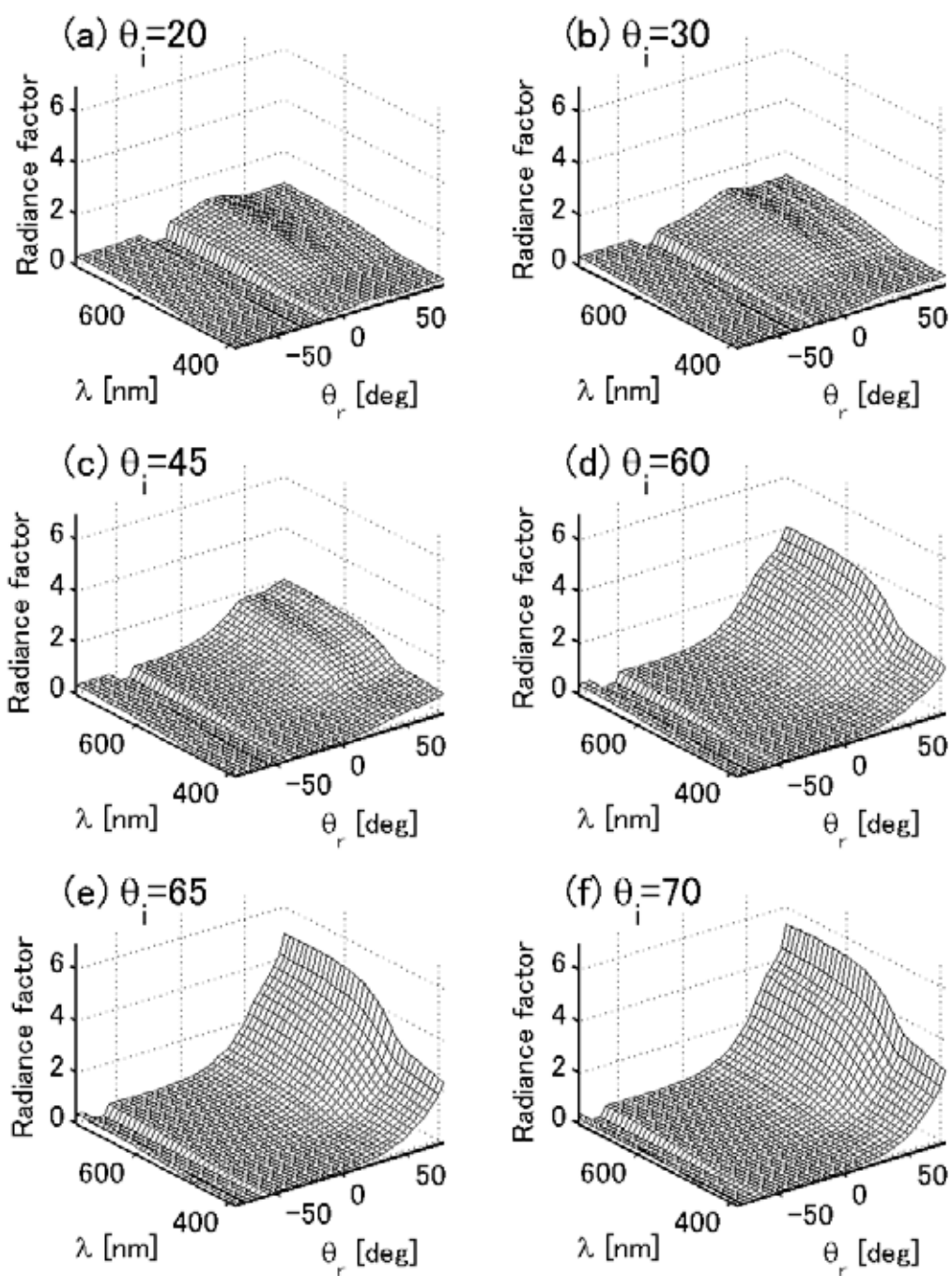


Fig.6

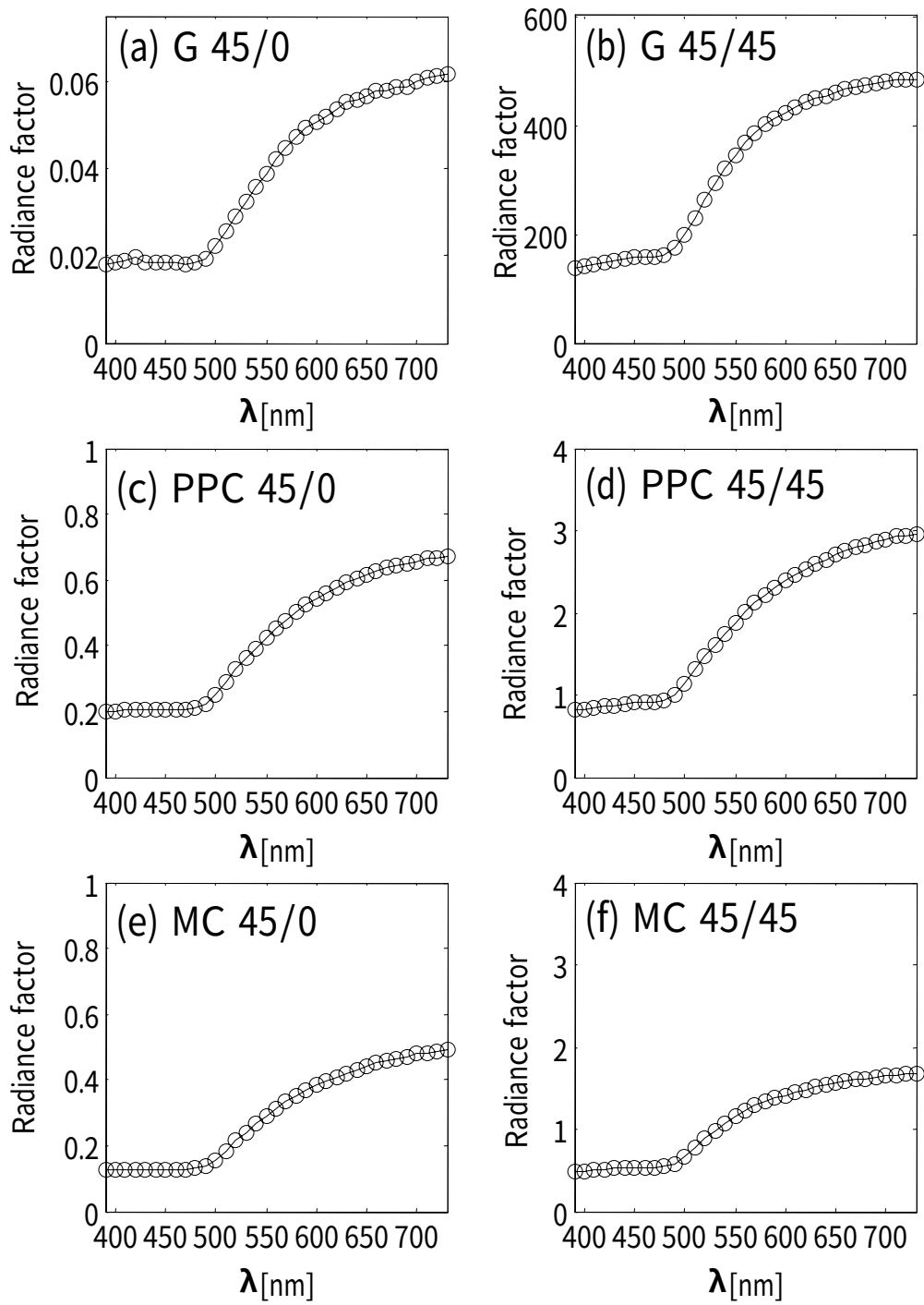


Fig.7

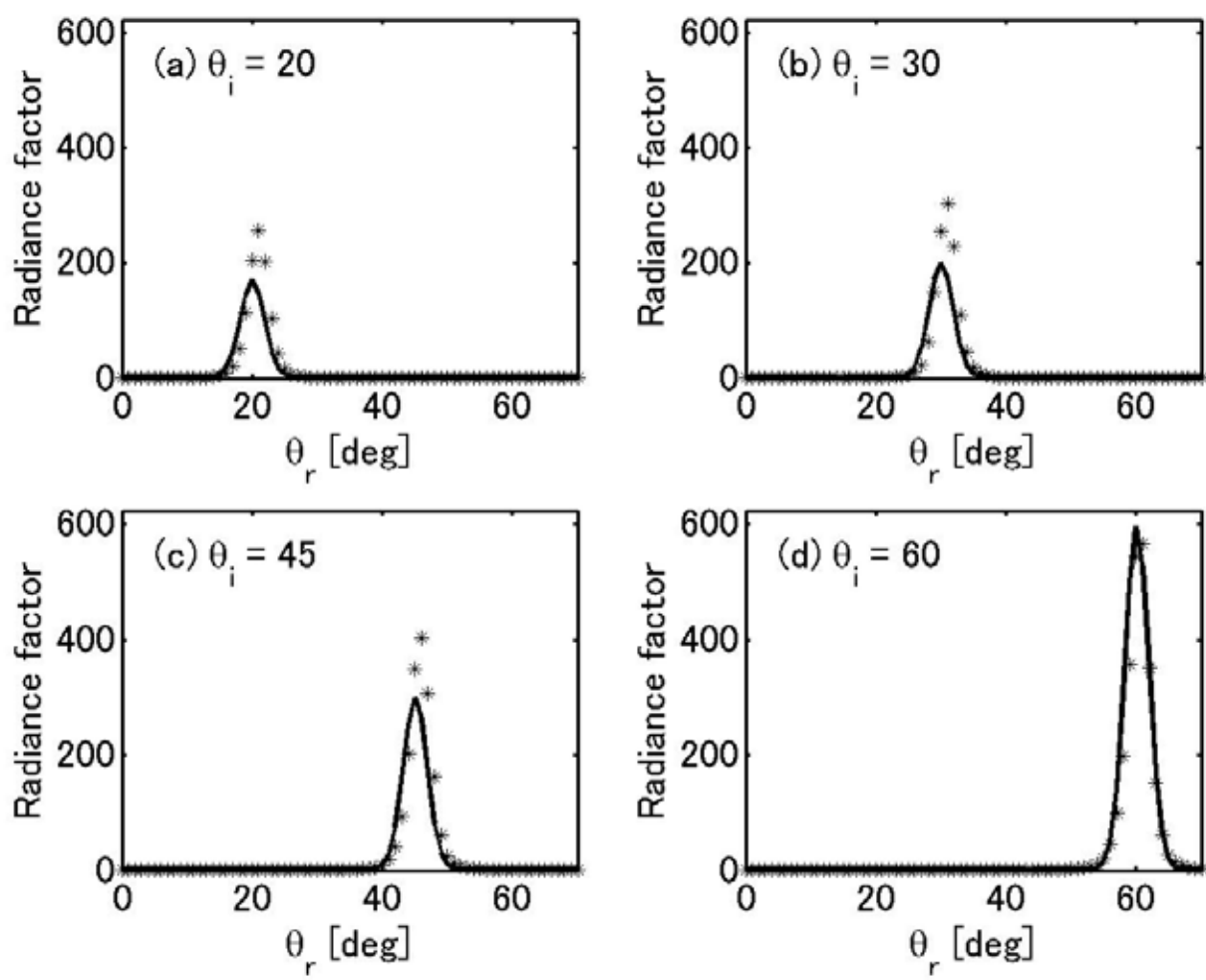


Fig.8

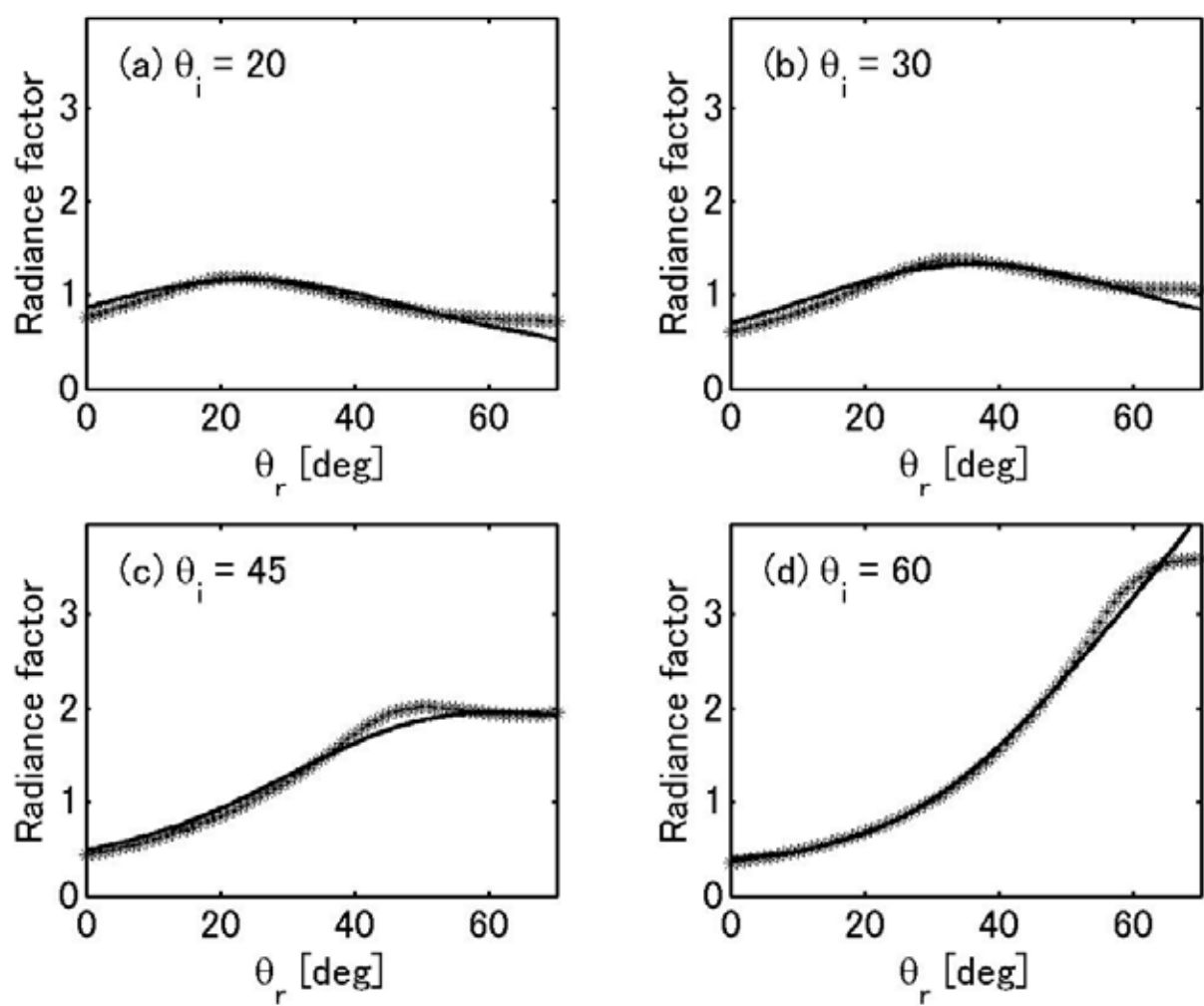


Fig.9

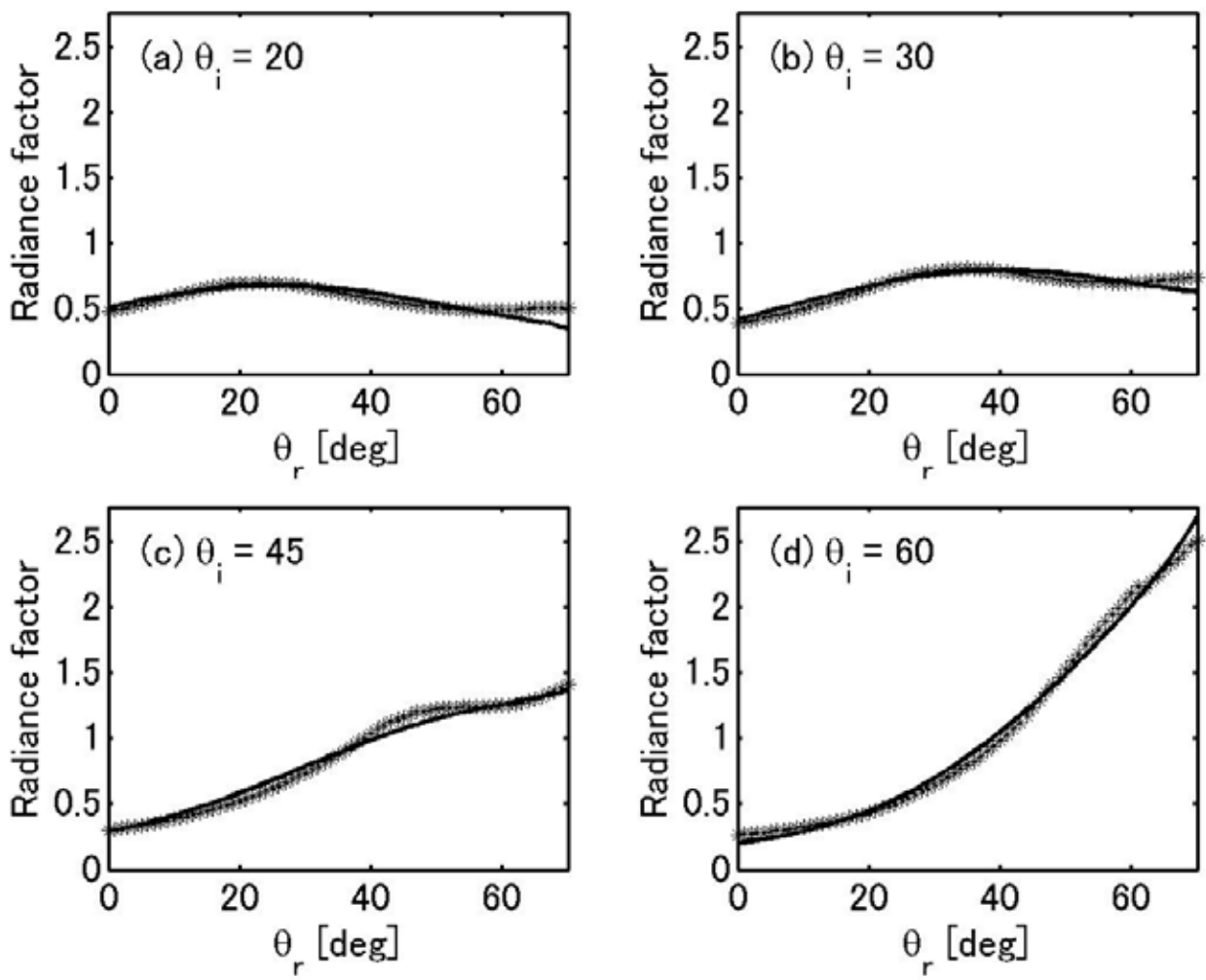


Fig.10