

sputtered optical system

Chirped mirror pair to compensate the material dispersion of 3.1 mm Fused Silica with one bounce (average value after 2n reflections)

HRp(7°, 700-900 nm) > 99.9%

difference between GD (3.1mm FS) and the average GD-value after one bounce < 1 fs

GDD-Rp(7°, 700-900nm) = - 120 fs² (±70 fs²)

fig 1 reflectance 7° black: 148880 red: 148883

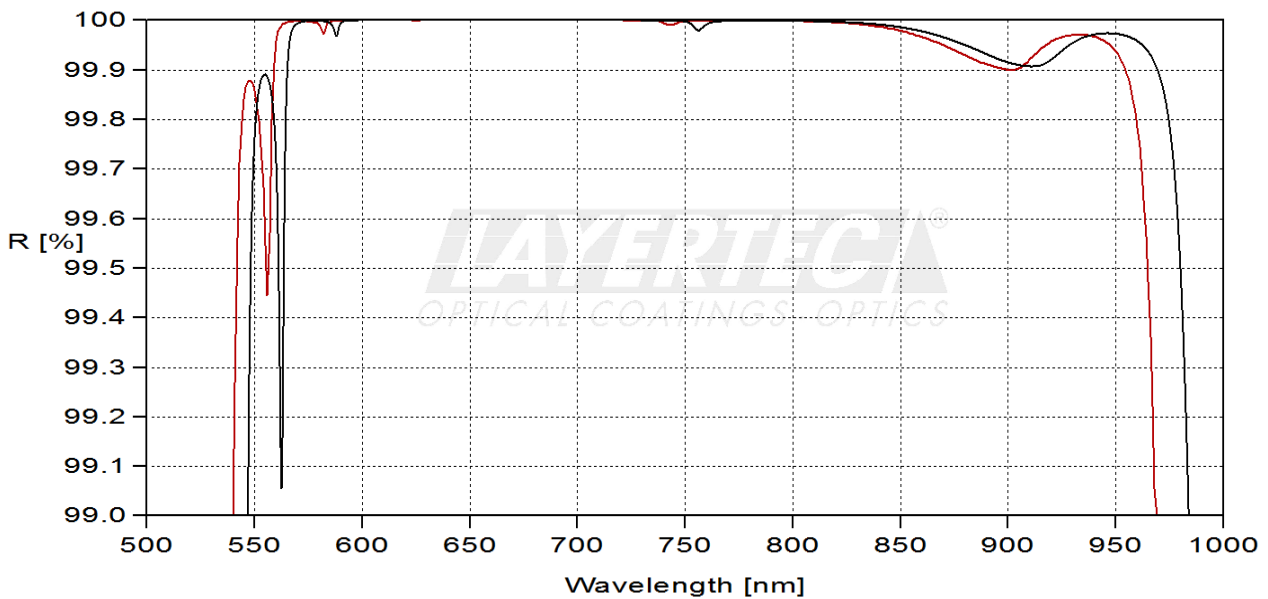


fig. 2 calculated GD-Rp(7°)

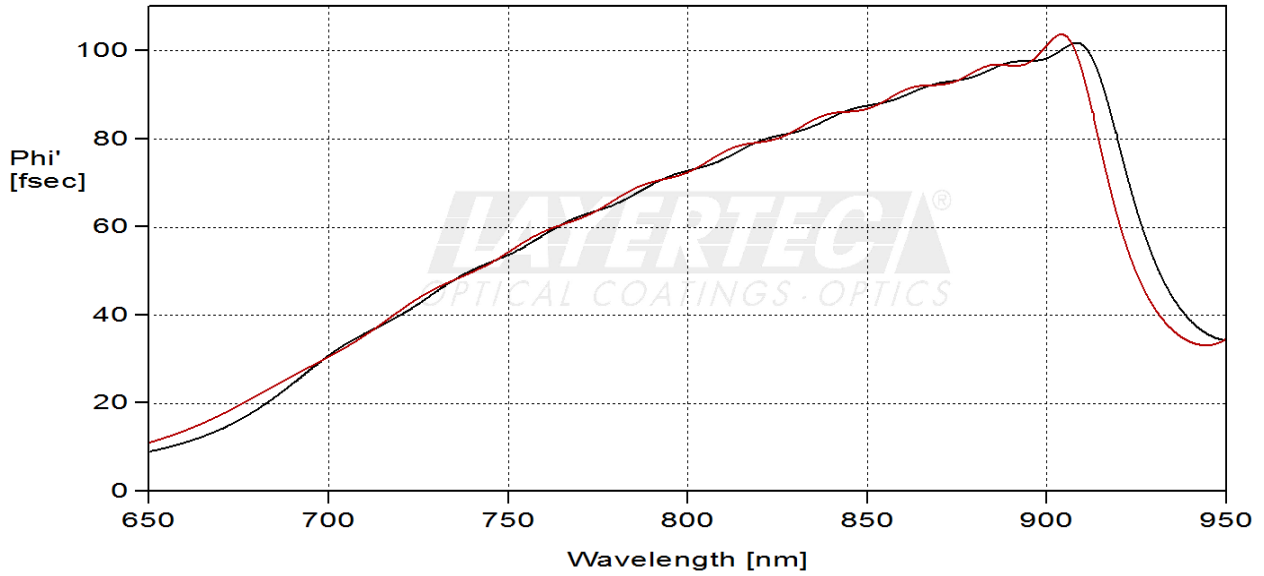


fig. 3 black – theory GD-Rp(7°) of 0.7mm FS - blue (average GD-Rp(7°) [148880+148883]/2)

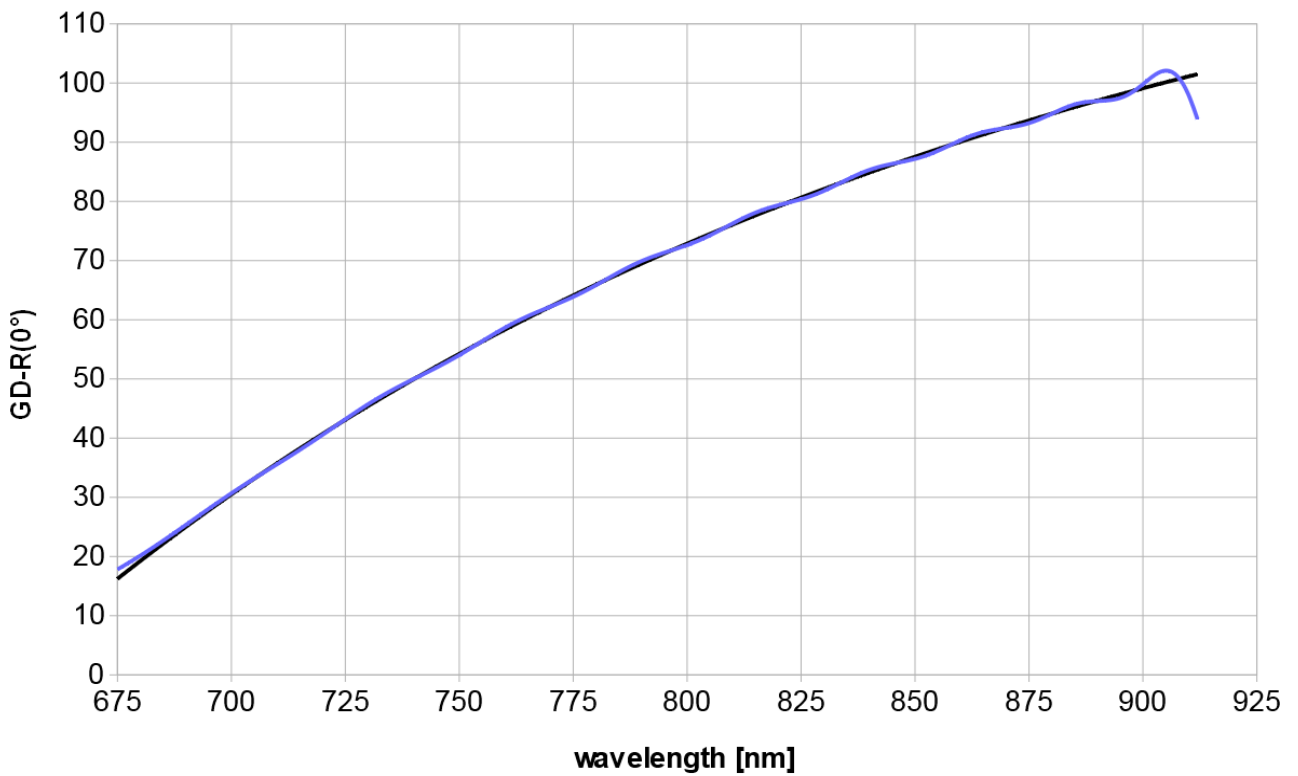


fig. 4 difference between black and blue curves fig. 3

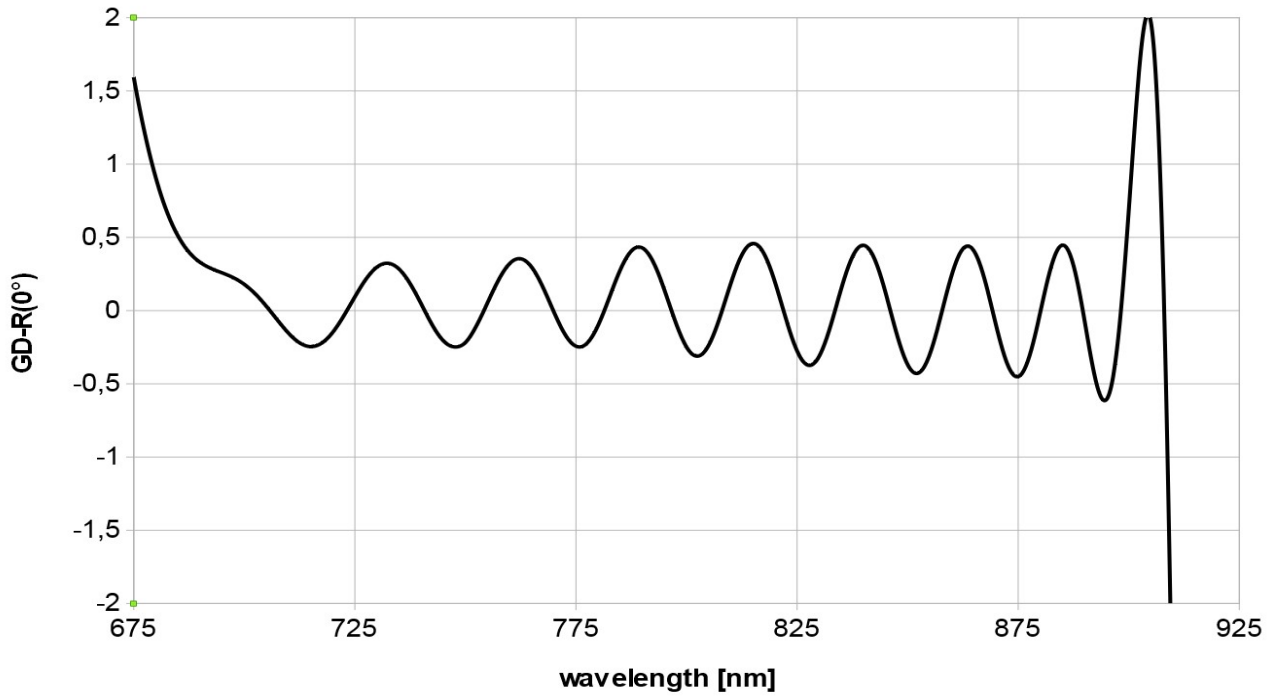


fig. 5 calculated GDD-Rp(7°) with average value ([148880+148883] / 2)

