LIST OF SYMBOLS

$\Theta_{\mathcal{T}}$	Thermal stress.
\triangle_{α}	Difference in thermal expansion coefficient of
	film and substrate.
δ ^k	Poisson ratio of film material.
$\triangle_{_{\mathbf{T}}}$	Difference between the temperature of film during
·	deposition and after deposition.
E _S	Young's modulus of substrate.
E J	Poissons ratio for the substrate.
^d s	Substrate thickness.
g.Ł	Film thickness.
Pm	Packing density.
ⁿ f	Refractive index of film.
n	Refractive index of bulk material.
Ø _R	Phase change on reflection.
\varnothing_{T}	Phase change on transmission.
Δ	Phase difference.
Ψ	Arc tangent of amplitude attenuation ratio.
41,48	Arctangent of the amplitude of incident and
.	reflected components.
E &	Amplitude of p component of incident light in air.
ES O P Ra	Amplitude of s component of incident light in air.
R a.	Amplitude of p component of reflected light in air.
Ra	Amplitude of s component of reflected light in air.
gp s	Reflectivity.
Sp Ss	Phases of p and s components respectively of the
	incident wave.

 $\mathcal{O}_{\mathcal{K}}^{\rho}$, $\mathcal{O}_{\mathcal{K}}^{\varsigma}$ Phases of p and s components respectively of the reflected wave.

R Total reflection coefficient of p component.

R Total reflection coefficient of s component.

Fresnel reflection coefficient of p component for the boundary between a and f.

Fresnel reflection coefficient of s component for the boundary between a and f.

Fresnel reflection coefficient of p component for the boundary between f and s.

Fresnel reflection coefficient of s component for the boundary between f and s.

d Fringe displacement.

D Distance between fringes.

 λ Wavelength of light.

 δ_{A} Adhesion.

S Stress.

P Polariser angle.

A Analyzer angle.

Q Quarter wave plate angle.

Relative retardation of quarter wave plate.

Change in \triangle i.e., \triangle final - \triangle initial.

Sw Change in ψ i.e., ψ final - ψ initial.