附录。

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The indirect method of mesearing medium complex-refractive index which placed in air at the 45° incident angle

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Abstract

When the Rght at the 45° incidence, by pass through the reflection intensity of medium surface which placed in the air, it can use mathematics description of polarizing to show. And it combined with the complex amplitude r,, r, of Fresnel reflection factor when the light reflected at the interface of two transparent dielectric. In the dielectric constant & between refraction medium and incident medium, there is a equa-

tion of $\frac{r_s-r_p}{1-r_s \cdot r_p} = \frac{1-\epsilon}{1+\epsilon}$. From this, can get the complex-refractive index

of medium. Its equation is $(r_i^2 + 1)^2$.

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• 简 讯 •

激 光 电 源

美国加利福尼亚州激光新技术公司生产的一种500W CO.激光电源可用空气冷却,也可用水冷。C500-A1型激光电源的特点是多输出结构,可以让设计者为激光头提供正/负和单/双电压输出、规格包括:

点火电压: 25kV, 工作电压: 5kV~20kV, 工作电流: 0~40mA或0~80mA, 效率>85%;双向转换频率: 25kHz和50kHz。

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