Article Side
Role of Ellipsometry in Scientific Activities by Julia Roger

Article published on January 27th 2012 | Technology

Every film possesses its own dielectric property. This property is rightly noticed when electric field is applied and the dielectric is an electrical insulator which can polarize it. Ellipsometry is nothing but an optical system which can rightly be used to verify the dielectric property of a very thin film. This technique has got frequent use in various fields in these days. Physics perhaps has been benefited the most from this technique..

Ellipsometry has mostly been used in basic research works but industrial activities have also found its use of late. . Being an optical technique, there is less chance of destruction and also there is no chance of contact. If you look into the working of the ellipsometry, there are some important aspects of it. Every sample reflects some amount of light. The process can acquire a lot of detail about the modifications in divergence of any example that is thin than the regular light waves..

There are various other applications of ellipsometry. It can easily contact to the single atomic layer of any model. It is for this reason that this is used to detect the various primary physical properties like chemical composition, morphology, crystal quality and even electric conductivity. As the name suggests, the whole process is associated to some substance that is elliptic in shape. The reason for such a shape is that the normal shape of polarization is same as the shape of it. Such a technique has now been in activity in different scientific fields for quite some time. Those who are in research in medicinal or biological fields, find ellipsometry as a really interesting subject. The device is really functional whenever there is a hint of reflection. Undoubtedly, this is quite a safe technique.

Article Source:
http://www.articleside.com/technology-articles/role-of-ellipsometry-in-scientific-activities.htm - Article Side

Julia Roger - About Author:
For more information on a ellipsometry, check out the info available online; these will help you learn to find the a ellipsometer!

Article Keywords:
ellipsometry, ellipsometer

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!