

wavefront error at air/glass surface

Source: <http://sci.tech-archive.net/Archive/sci.optics/2006-07/msg00066.html>

- *From:* "Michael Koch" <astroelectronic@xxxxxxxxxxxxx>
 - *Date:* Sun, 16 Jul 2006 11:30:26 +0200
-

Hi all,

again a simple question:

Let's assume a disturbed wavefront (with error W_1) hits a perfectly flat air/glass surface. Inside the glass, the wavefront error is $W_2 = W_1 * (n_1 / n_2)$, where n_1 is the the refractive index of air and n_2 is the refractive index of the glass.

Is it right that this formula is valid for all angles of incidence?

Michael

.