

Virtual Images in front of Concave Mirror

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Reposted from " 3-D image in a concave bowl mirror " in this NG.

I noticed images of an array of lighted bulbs of a tall ceiling in a mall (placed beyond C or 2F) reflected by a concave spherical bowl mirror.

My actual physical visual observation or perception is that of a virtual curved image surface of ceiling lights formed in front of the mirror with a virtual 3-D apparition sort effect. The bowl could be slightly toro-spherical with a sharper radius at equator/knuckle.

<http://i10.tinypic.com/6fio6q1.jpg>

Magnified erect virtual images are formed behind concave mirrors normally, how can this observation then be explained?

There is a phenomenon I read earlier about, don't know its name. Defocus the eyes and look at tip of nose and slightly narrow the binocular angle onto (specially printed) pictures on flat paper to get a feeling of raised up images with 3-D effect. Could it be related to that?

Thanking again in advance and regards,
Narasimham

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