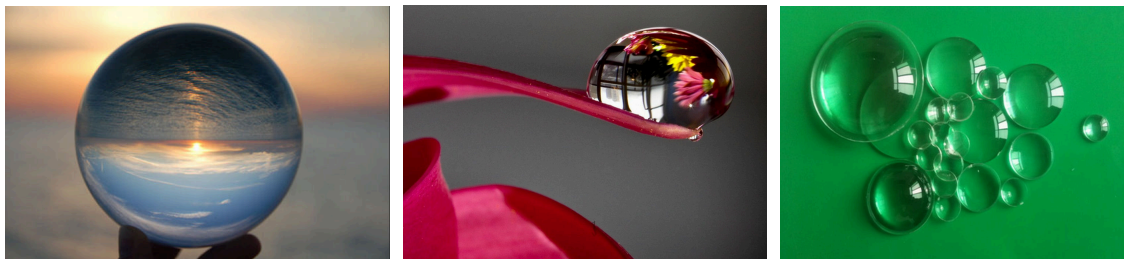


Gravitational Lens Effect

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Abstract: put forward a new explanation of the essence of gravitational lens

Main viewpoints and conclusions:



These pictures from the network, just to increase understanding, not for any commercial purposes, and many thanks to the authors

Gravitational lens,^[1] is has no relationship between with gravitation, it is an independent optical phenomenon, and the essence of it that is ball lens imaging.

In the universe, a nebula, a celestial body or a galaxy, forms a ball lens or ball lenses having appropriate density and transparency of its composition matter, and with spheroidal shape; it is able to image the distant source in the line of sight---mainly are light, celestial bodies and other views in the universe, then having and realizing the function and role of lenses.

References

- [1] *Gravitational lens*
https://en.wikipedia.org/wiki/Gravitational_lens
- [2] *One Possible Structure of Cosmic Noumenon*
<http://rxiv.org/abs/1509.0204>
- [3] *The Light Propagation in Universe Space*
<http://rxiv.org/abs/1511.0081>
- [4] *Gravitational Field*
<http://rxiv.org/abs/1606.0207>

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