

















































Isaac Newton

Newton's work on optics in the 1660s established that white light is composed of many colours.

Arguments raged as to the nature of light – should it be considered as a stream of particles ('corpuscular') or as a wave?

(Curiously, modern physics developed centuries later gives the answer – both!)

25























Blackbody

Temperature

Sirius A

Su

Eart

PhET:

36





















Blue supergiants

Age of Star Cluster



4000 K

3500 K

48

К

Μ

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Low-energy level



55

Quantum Jump -> Light Emission

ARR

54













































