

Physics World Archive

Who really discovered Snell's law?

Alistair Kwan, John Dudley, Eric Lantz

From
Physics World
April 2002

© IOP Publishing Ltd 2014

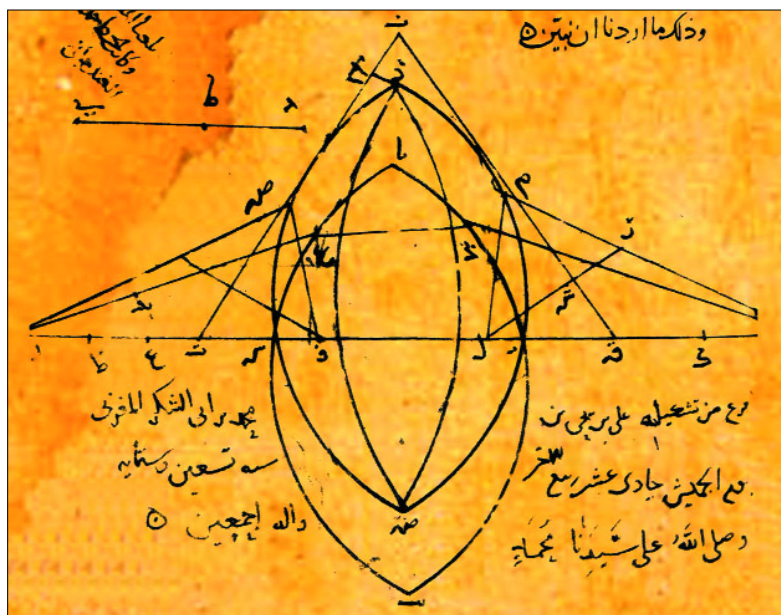
ISSN: 0953-8585



Institute of Physics Publishing
Bristol and Philadelphia

Downloaded on Thu Nov 20 22:57:40 GMT 2014 [130.39.13.49]

Although Kepler's treatment succeeded in describing the refraction of rays close to the optical axis, it was still an approximation – and could thus never have led him to the elusive anaclastics that science had long sought. What



Based on a recent analysis of Ibn Sahl's work by the French scholar Roshdi Rashed, there is no doubt that Ibn Sahl correctly understood the sine law of refraction and that he should be acknowledged as its originator. From the viewpoint of modern physics, it is regrettable that his contributions were lost for so long, but this is certainly not the only historical triumph of falsity over perfectly correct theory. Perhaps the next question to ask is why science sometimes makes such regressive choices.

PHYSICS WORLD APRIL 2002