Smell-Descortes

6

$$\hat{m} = \begin{pmatrix} n_y \\ -m_x \end{pmatrix}$$

$$\hat{\omega} = -\cos(\theta_{\pi}) \hat{n} + \sin(\theta_{\pi}) \hat{m}$$

or
$$n_{1} \sin \theta_{2} = n_{1} \sin \theta_{1}$$

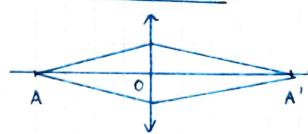
 $\cos^{2} \theta_{1} + \sin^{2} \theta_{1} = 1$
 $|\cos \theta_{1}| = \sqrt{1 - \sin^{2} \theta_{1}}$

$$= -\sqrt{1-\sin^2(\Theta_R)} \hat{n} + \sin(\Theta_R) \hat{m}$$

$$= -\sqrt{1 - \left(\frac{n_i \sin(\theta_i)}{n_n}\right)^2} \hat{n} + \frac{n_i}{n_n} \sin(\theta_i) \hat{m}$$

$$\hat{w} = -\sqrt{1 - \left(\frac{m_i}{m_n}\hat{v} \cdot \hat{m}\right)^2} \hat{n} + \frac{m_a}{m_n} \left(\hat{v} \cdot \hat{m}\right) \hat{m}$$

Descorter formula



$$\frac{1}{\overline{oa}^{1}} - \frac{1}{\overline{oA}} = \frac{1}{l} = \frac{1}{l}$$
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