Advanced Topics in Computer Graphics I - Sheet R04

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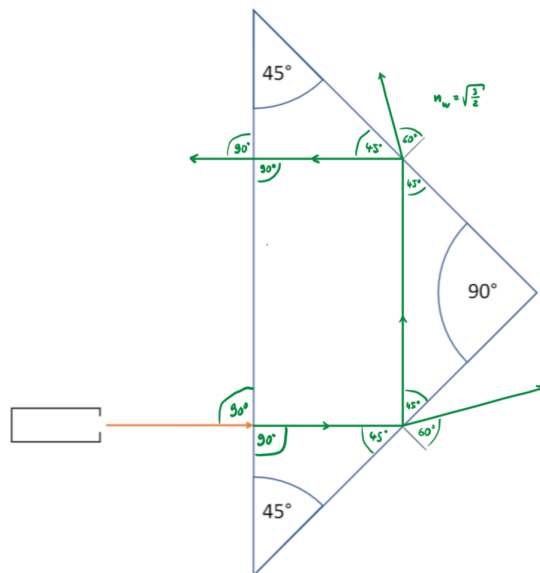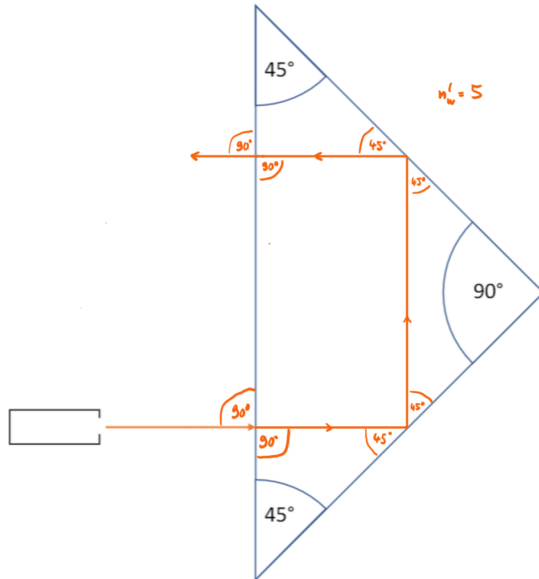
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Assignment 2

In the right image a micro-facet BRDF was used.
In the left image a Phong BRDF was used.

Assignment 3

a)

b)

c) For b) the refractive index of the wedge was so high, that the light ray will not leave the wedge on the right side because of total internal reflection.

d) $\hat{n}_w \sin(45°) = n_a \sin(90°) \Leftrightarrow \hat{n}_w = \sqrt{2}$ is the smallest refractive index leading to the same result.