

# Game technology

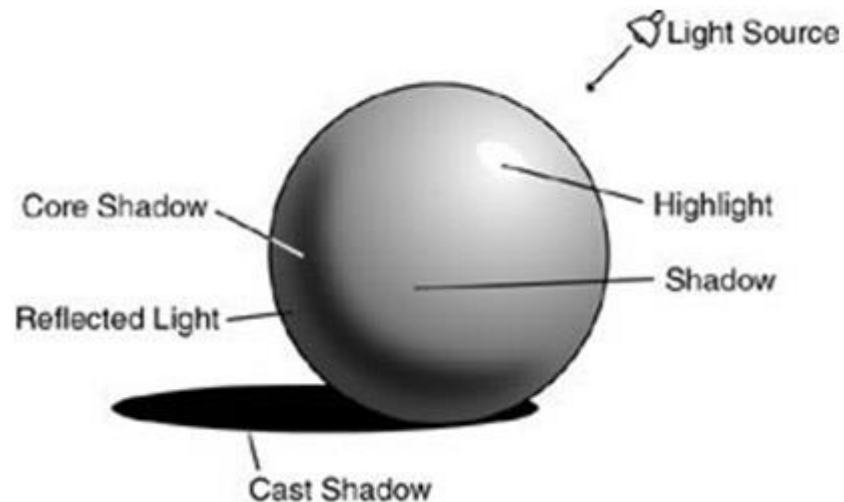
## Week 1

Faculteit Natuur & Techniek- Informatica & Technische Informatica

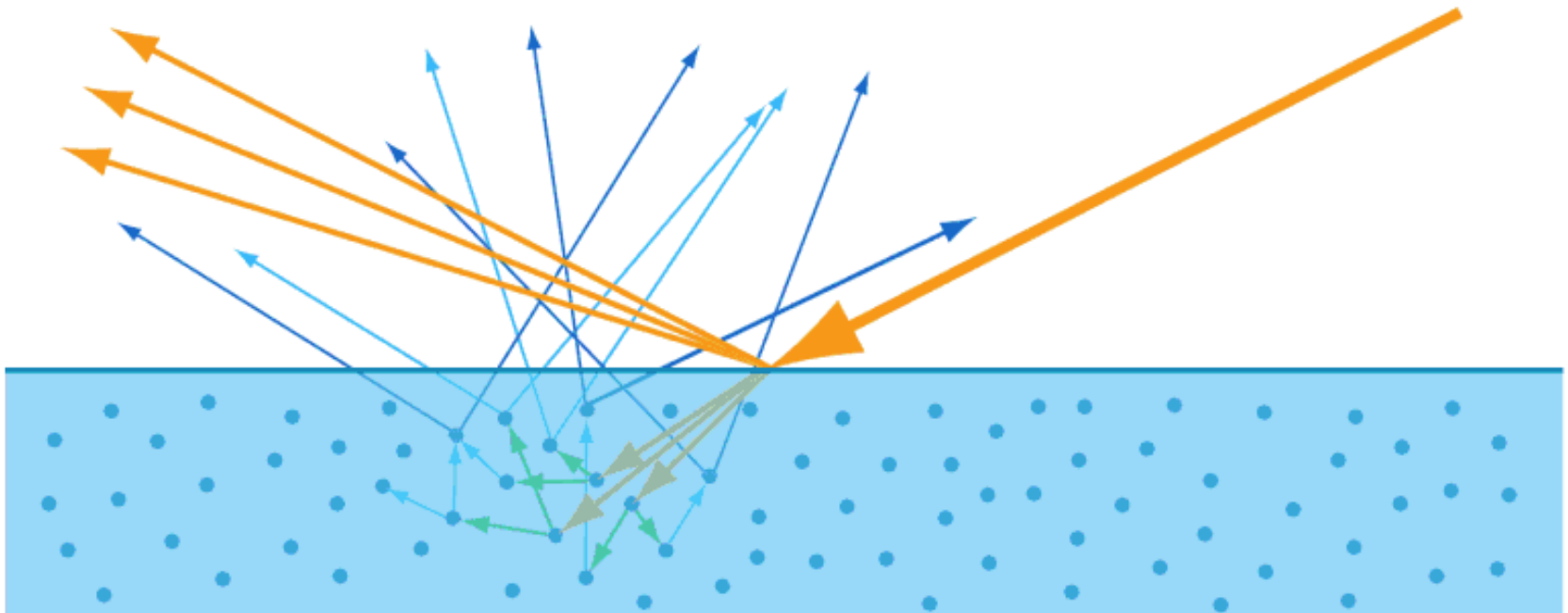
# Visual Appearance



# Rendering Pipeline



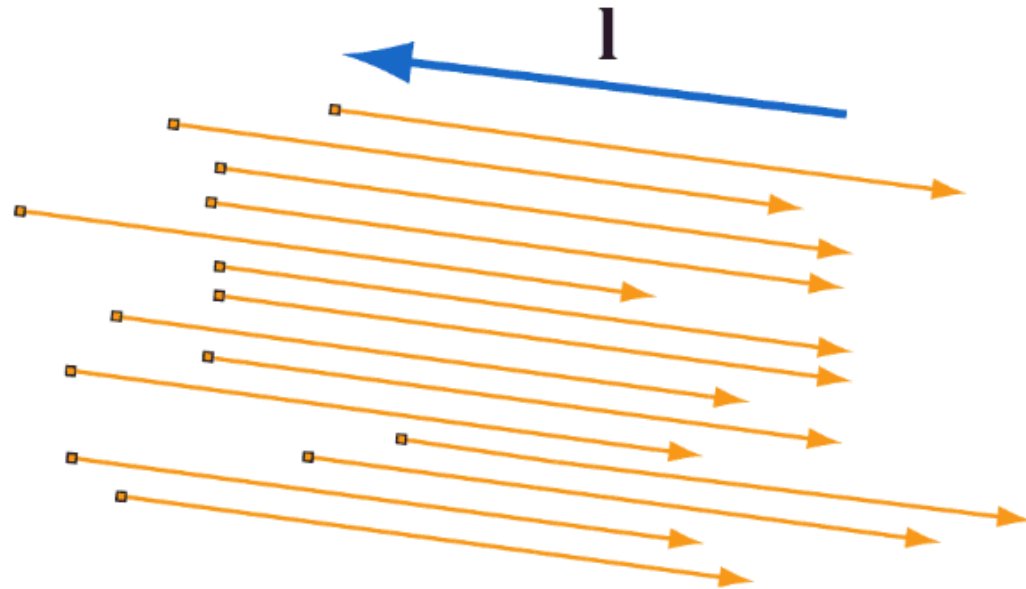
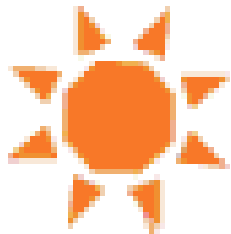
# Light and Material Interact



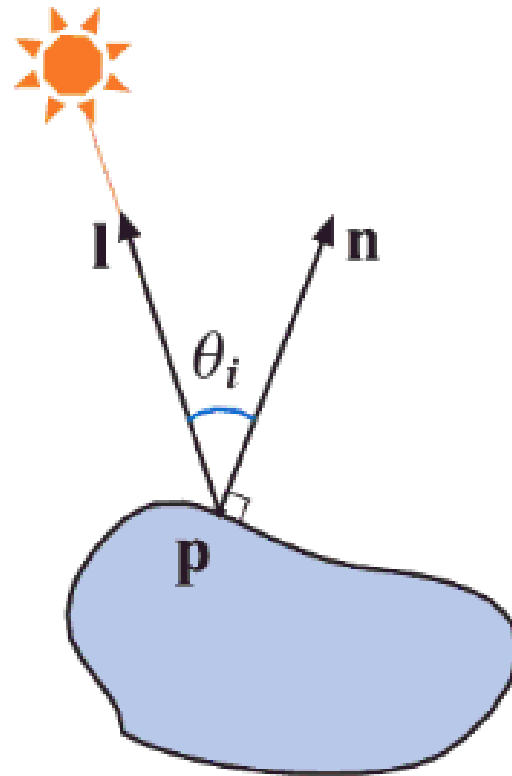
# Reflection (Diffuse & Specular)



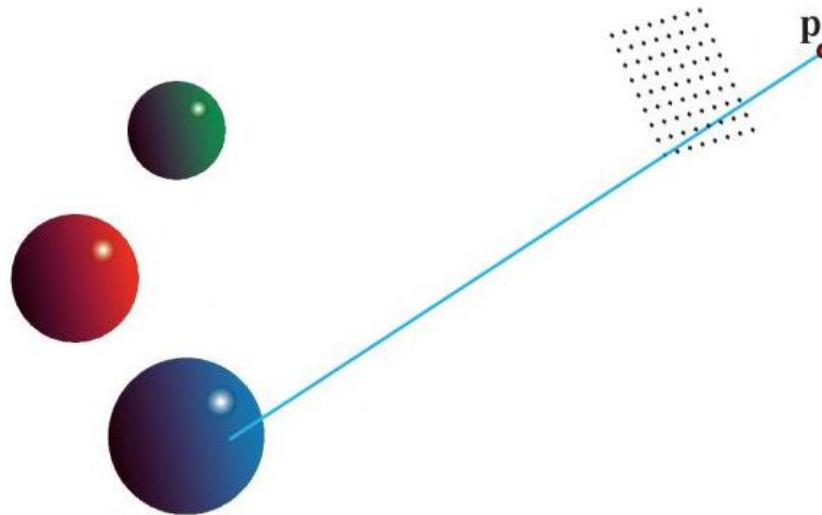
# Direction of Light



# Direction of Light

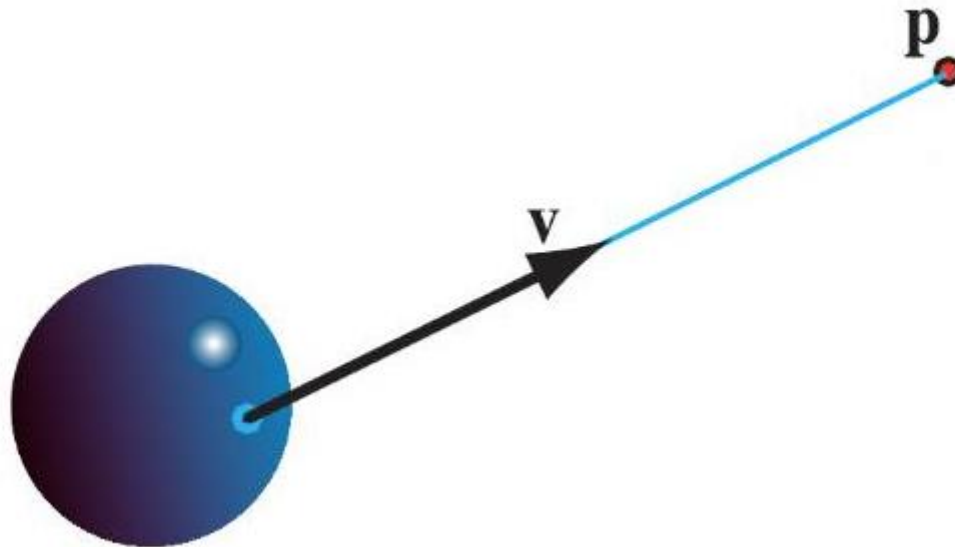


# Viewing Direction

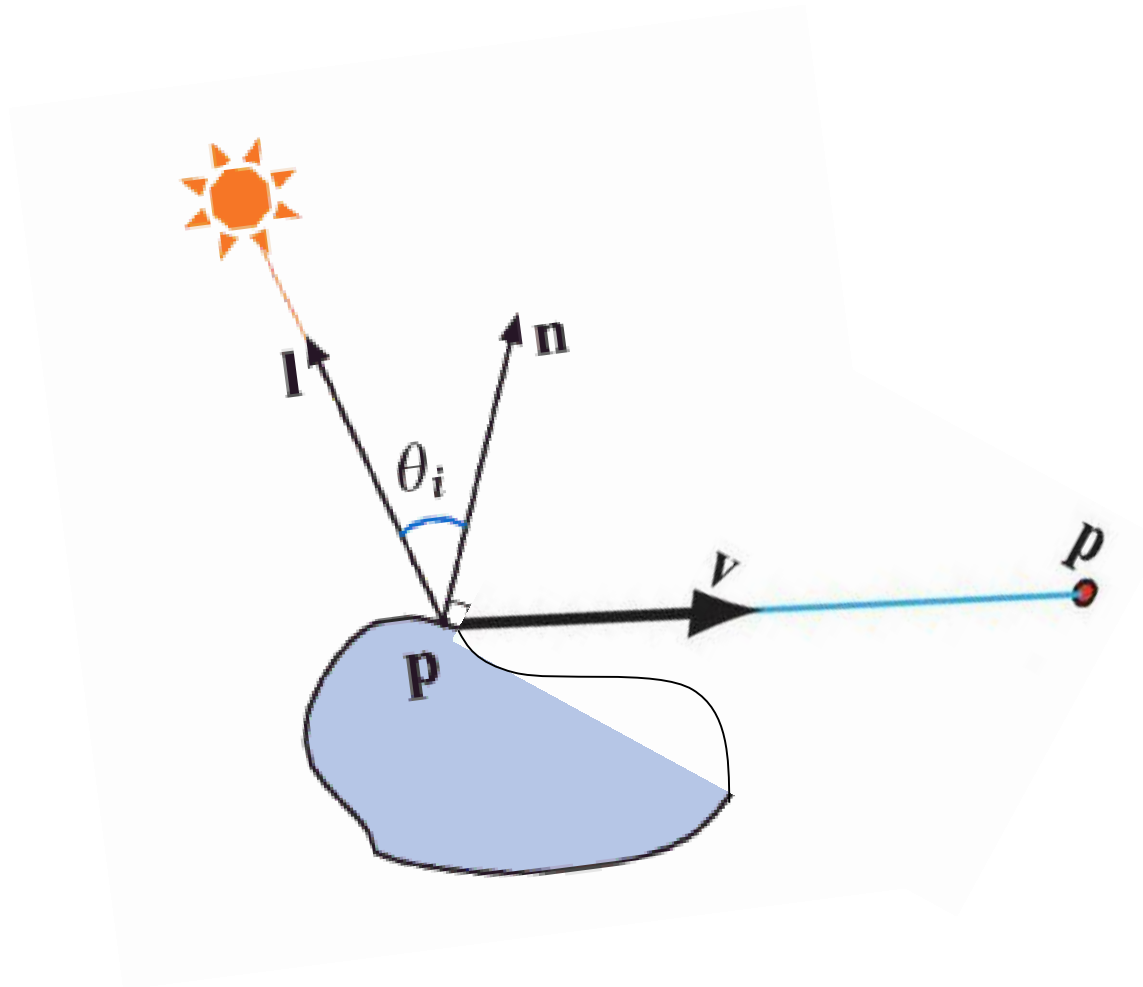




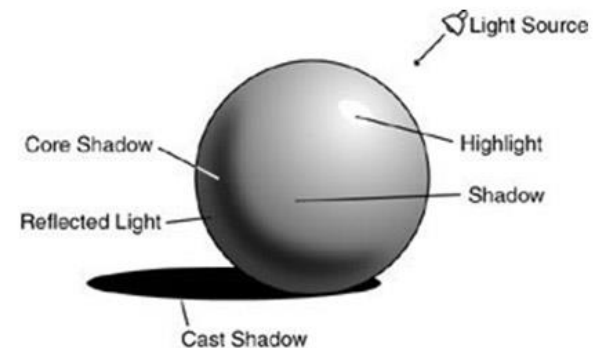
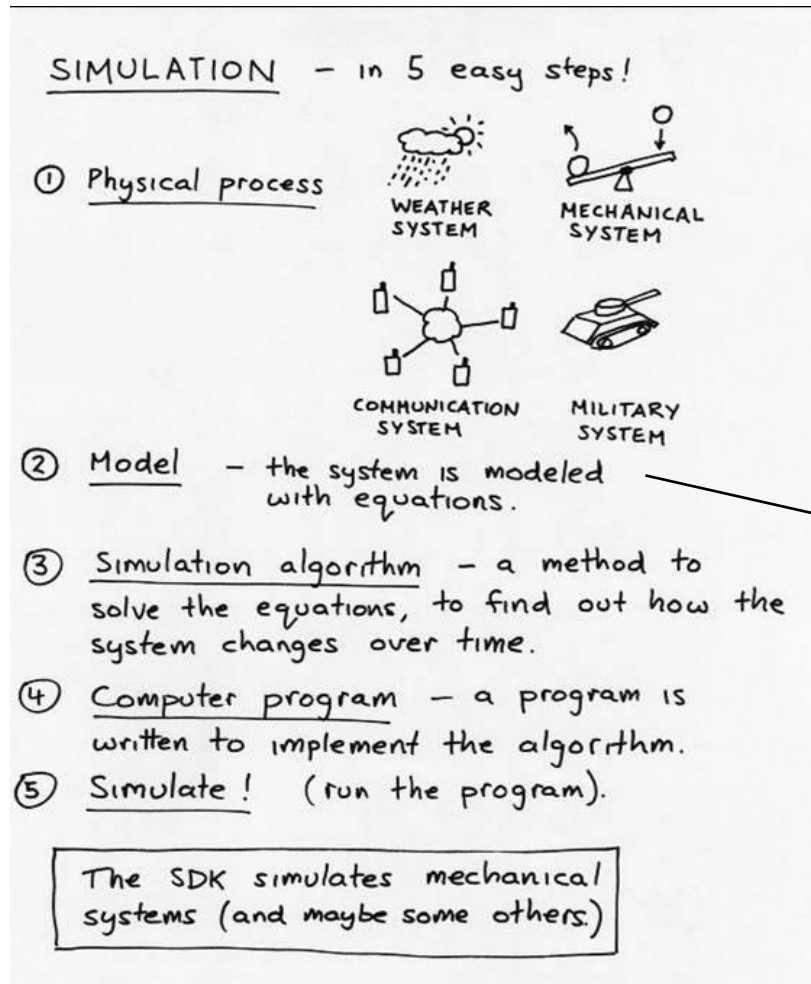
# Viewing Direction



# Directions Combined



# How to model Shading?



Equations using  $\mathbf{l}$ ,  
 $\mathbf{v}$  and  $\mathbf{n}$