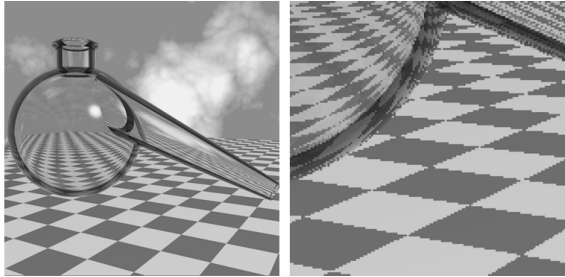


Cours 5 Artefacts

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**Retort sequence by Don Mitchell**




**Staircase pattern or jaggies**

Cours 1 Spectre électromagnétique


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Ray  $\gamma$




0.01nm

RX




1nm


UV



100nm




IR

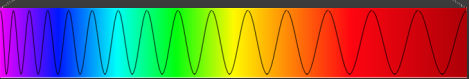


1mm

ondes radio




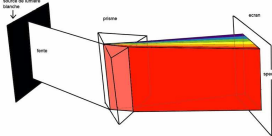
1m 1km

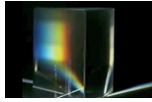


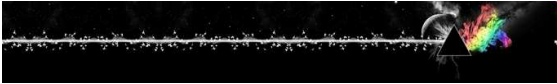
Décomposition de la lumière blanche

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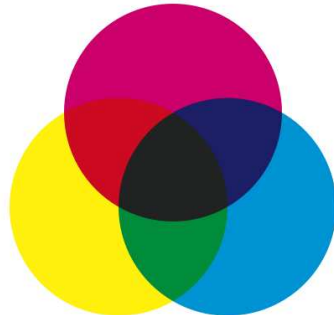




\*The Dark Side of the Moon, Pink Floyd, 1973

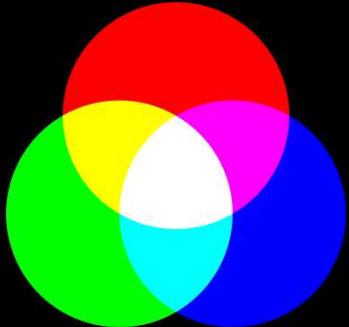
Synthèse soustractive

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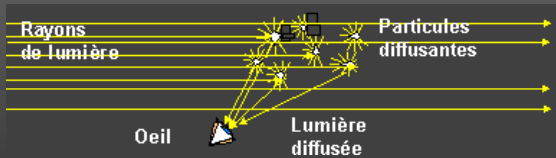
Synthèse additive

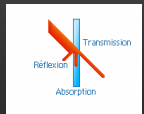
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Propagation de lumière

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### Interaction lumière matière

### Interaction lumière matière

### Réflexion et transmission lumineuse

### Réflexion spéculaire de la lumière

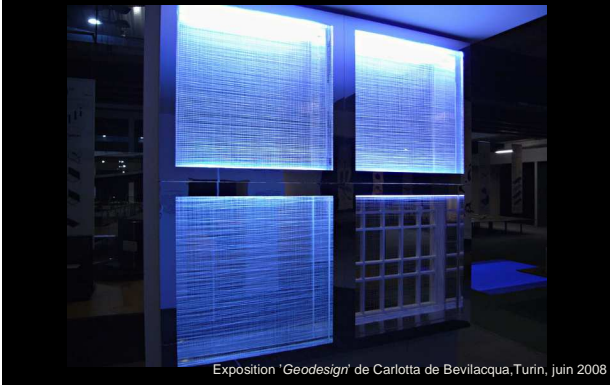
### Influence de la nature et de la couleur des surfaces

$\rho$  coefficient de réflexion des murs (> 50%)

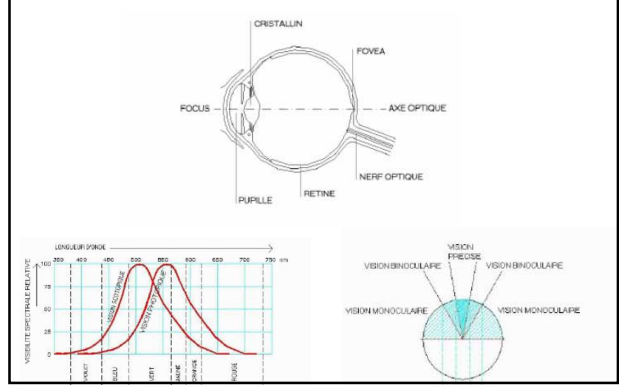
### Caractéristiques d'un éclairage

Flux	Éclairement	Intensité	Luminance
$\Phi$ [ lm ]	$E$ [ lx ]	$I$ [ cd ]	$L$ [ cd / m <sup>2</sup> ]

### Cycle circadien



### Physiologie de la vision



### La lumière en architecture contemporaine



Rolex Learning Center de l'EPFL à Lausanne, K. Sejima et R. Nishizawa

### La lumière en architecture contemporaine



Pavillon éphémère à Kensington Garden, Franck Gehry

### Intervention architectes et équipe de conception

