

# **IB Physics Topic C5 The Doppler Effect; SL & HL**

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# 1 Doppler Effect — Qualitative Observations

## 1.1 Case I: Stationary Observer, Moving Source

## 1.2 Case II: Moving Observer, Stationary Source

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## 2 Doppler Effect — Equations

### 2.1 Case I: Stationary Observer, Moving Source

### 2.2 Case II: Moving Observer, Stationary Source

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### 3 The Doppler Effect for Light

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## 4 Applications of the Doppler Effect

### 4.1 Medical

### 4.2 RADAR

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