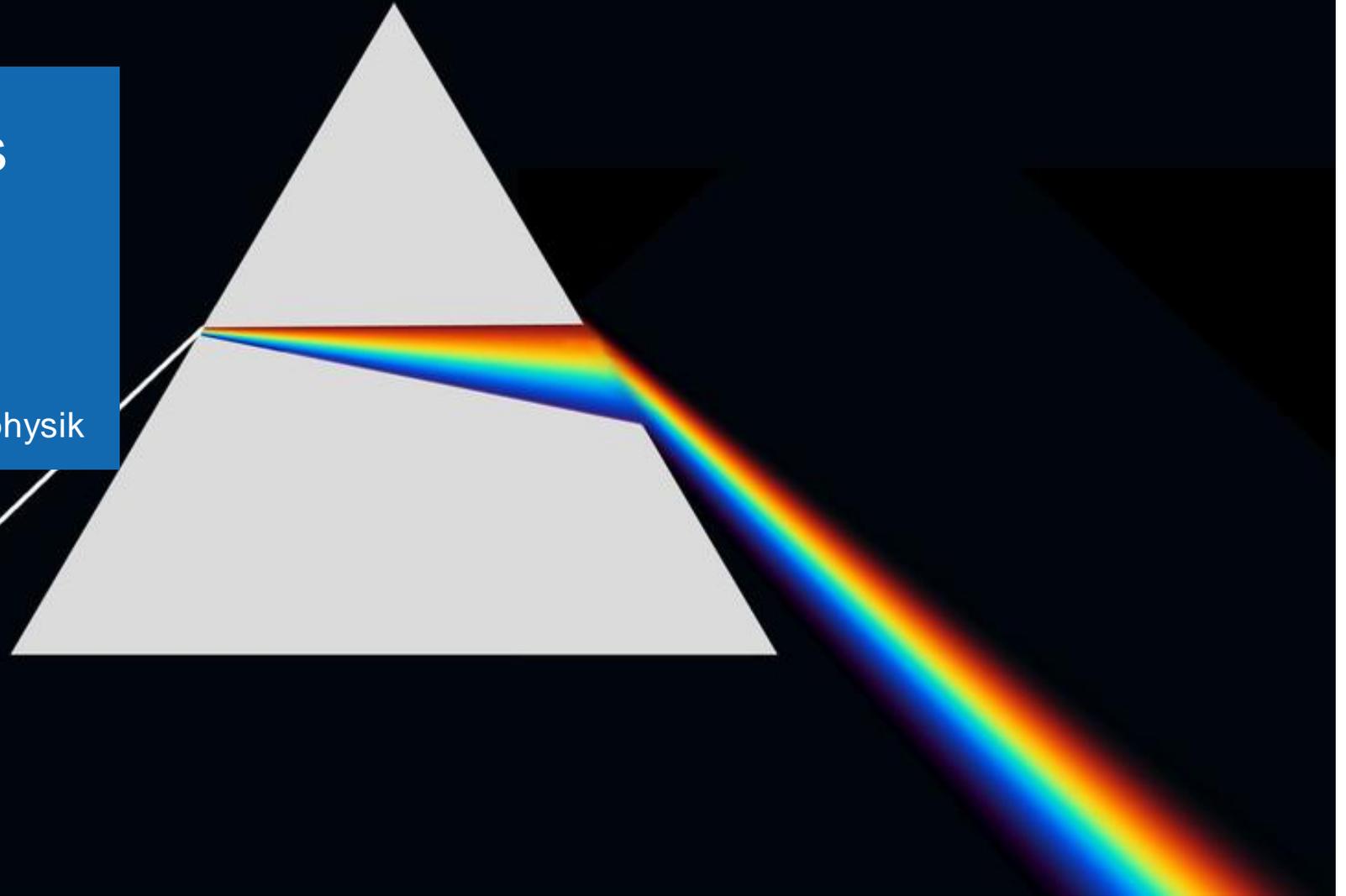


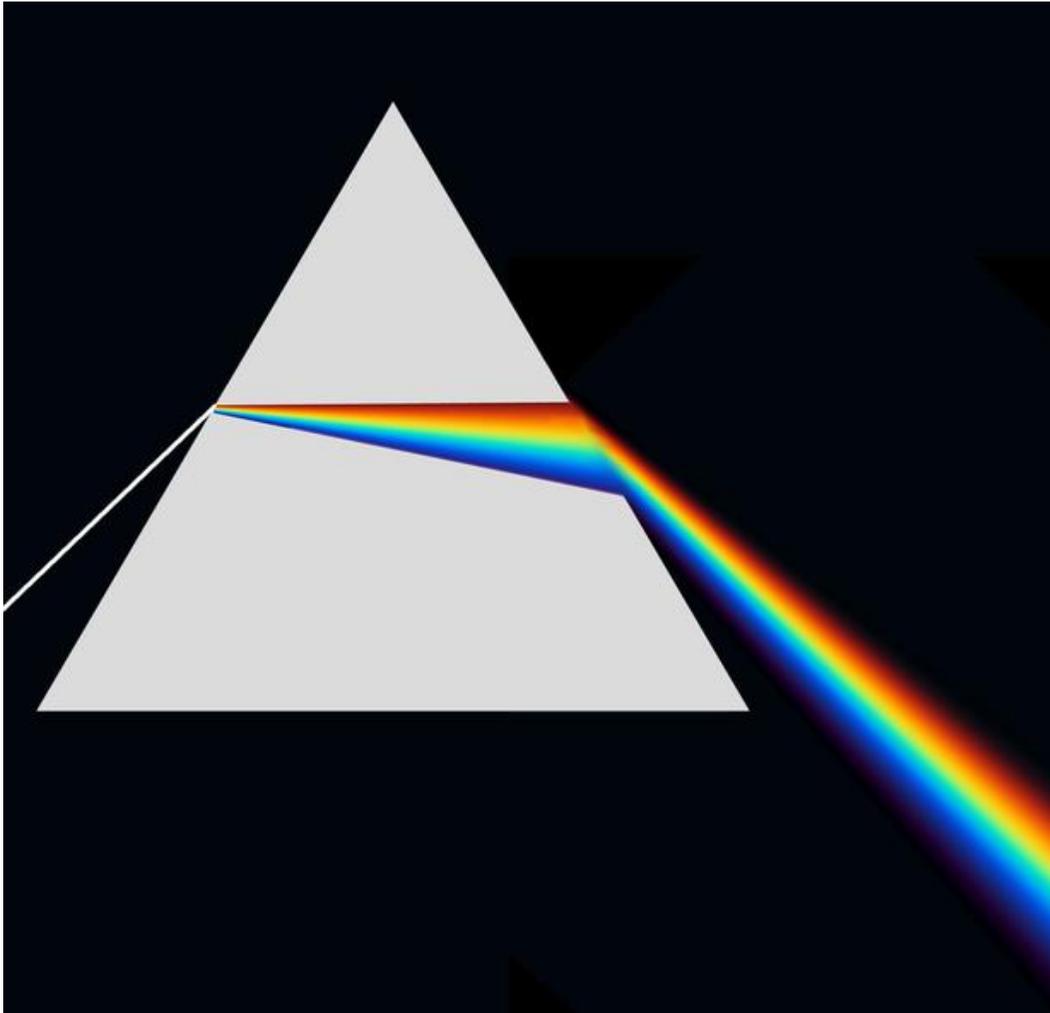
Spektroskopie als Schlüssel zum Universum

Prof. Sascha P. Quanz

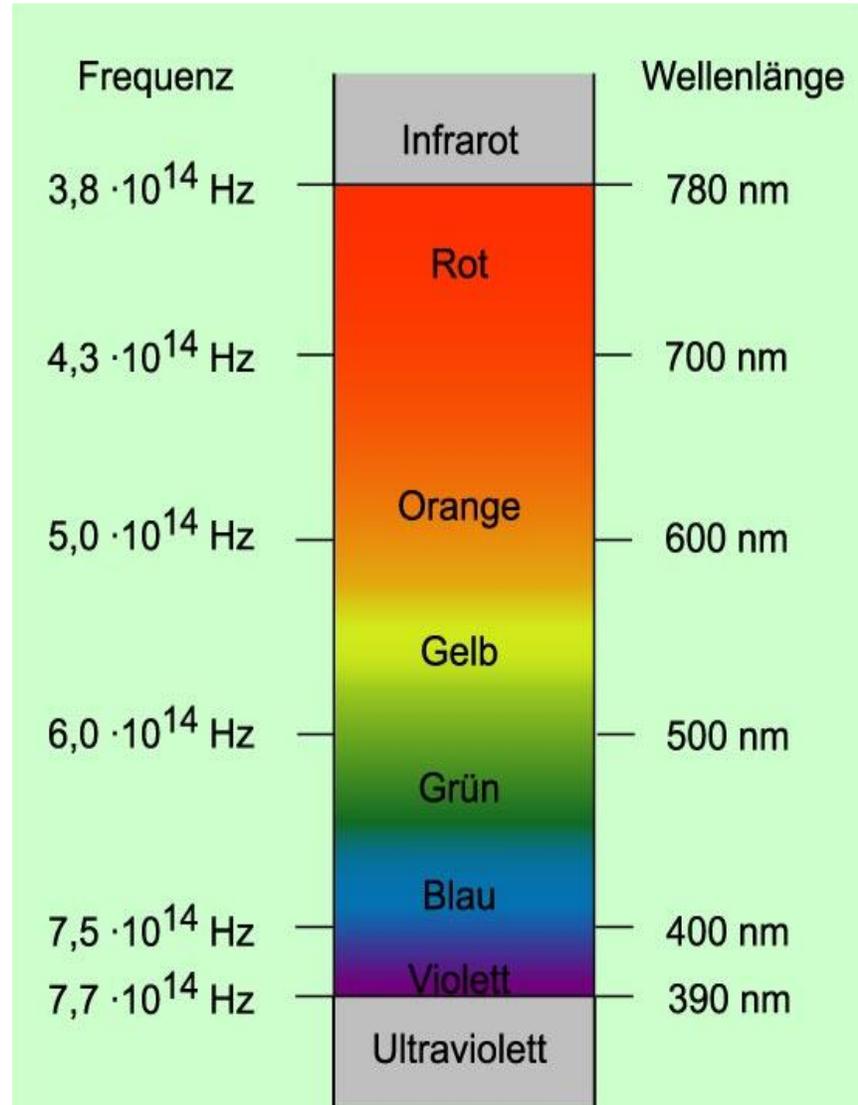
Institut für Teilchen- und Astrophysik



Kontinuierliche Spektren

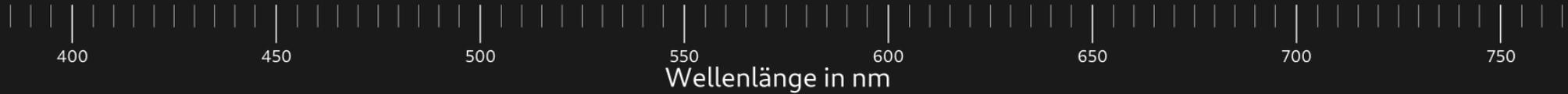
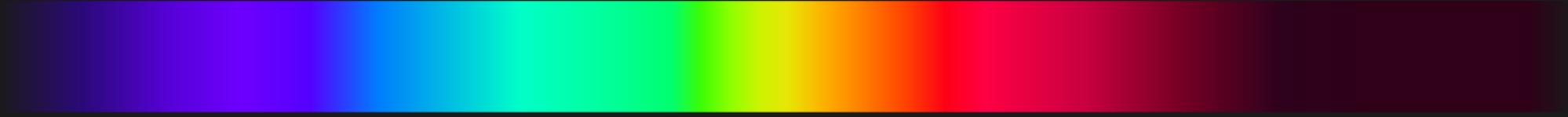


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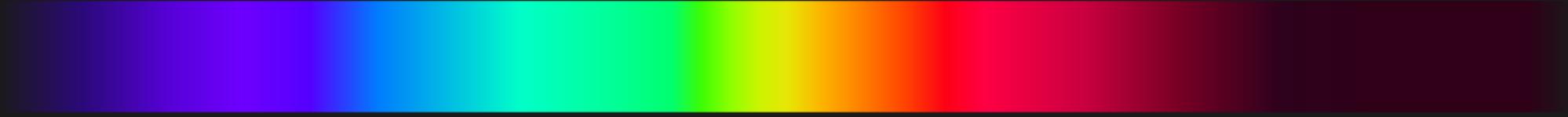
Linienpektren

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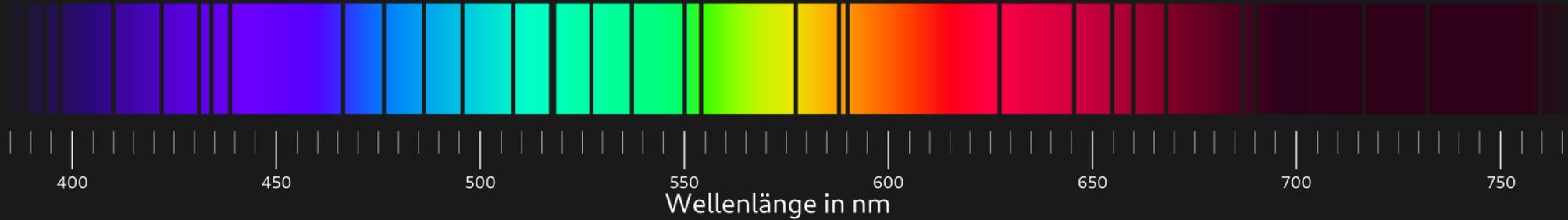


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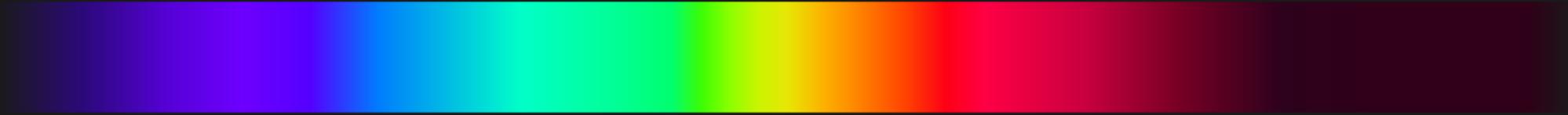


Spektrallinien der Sonne

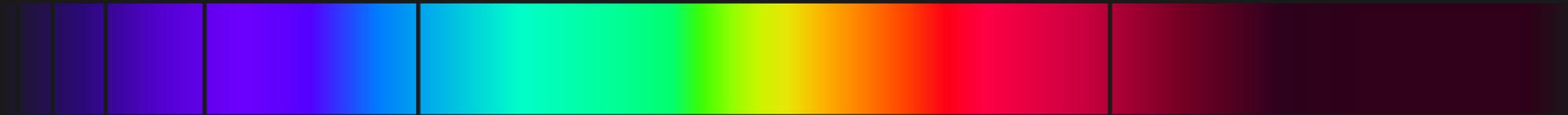


Linienpektren

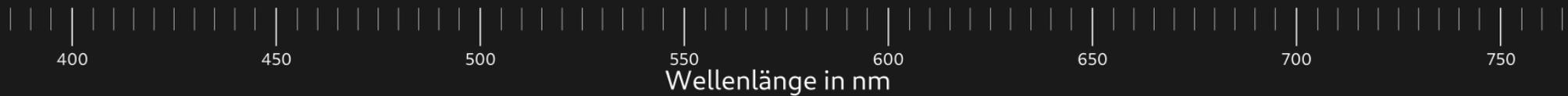
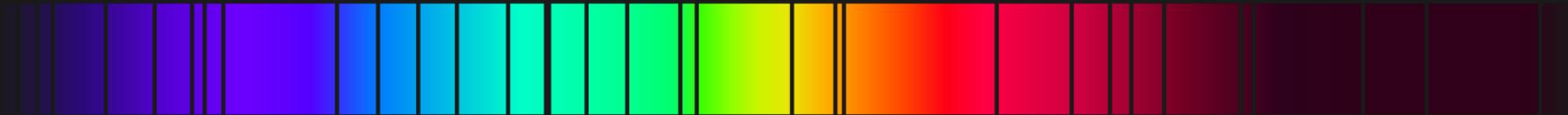
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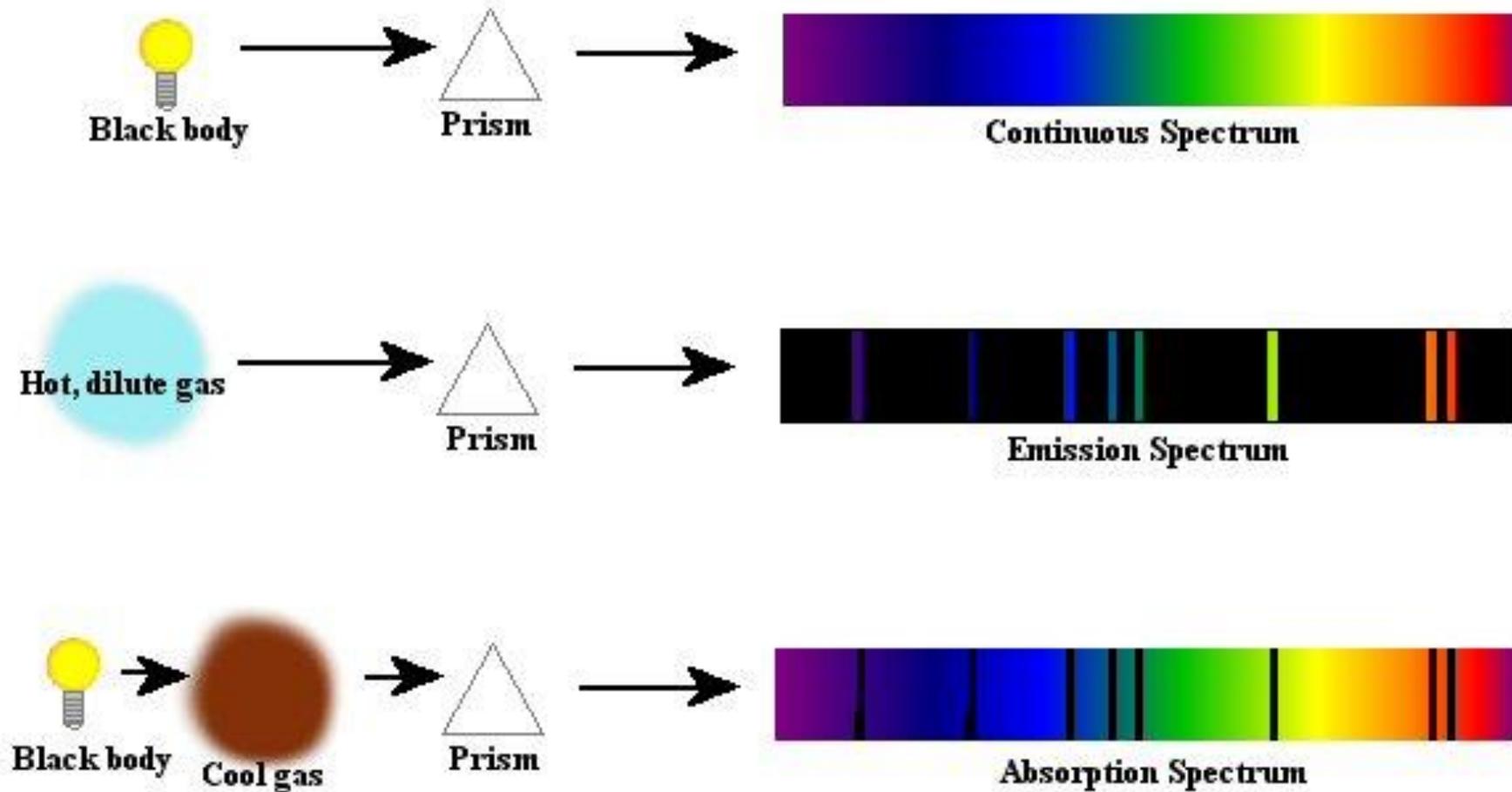
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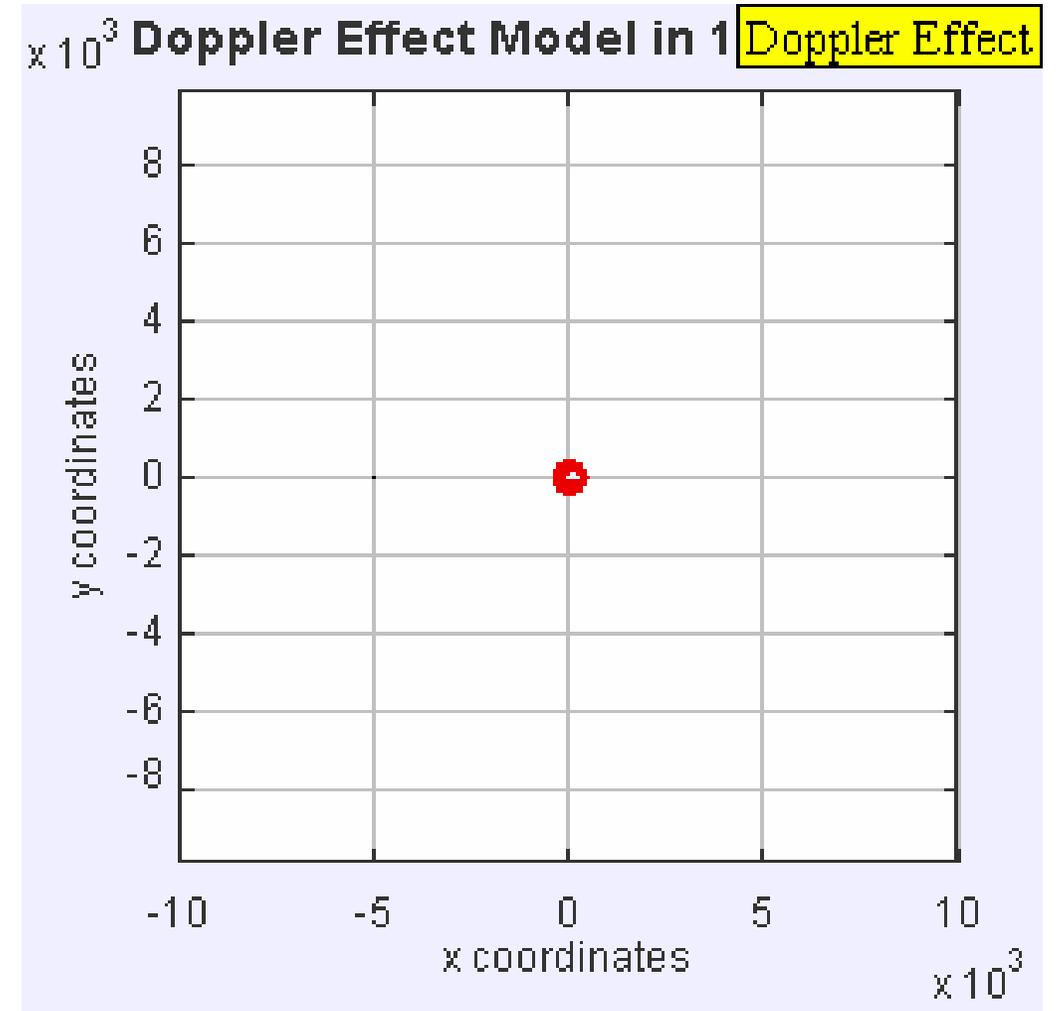
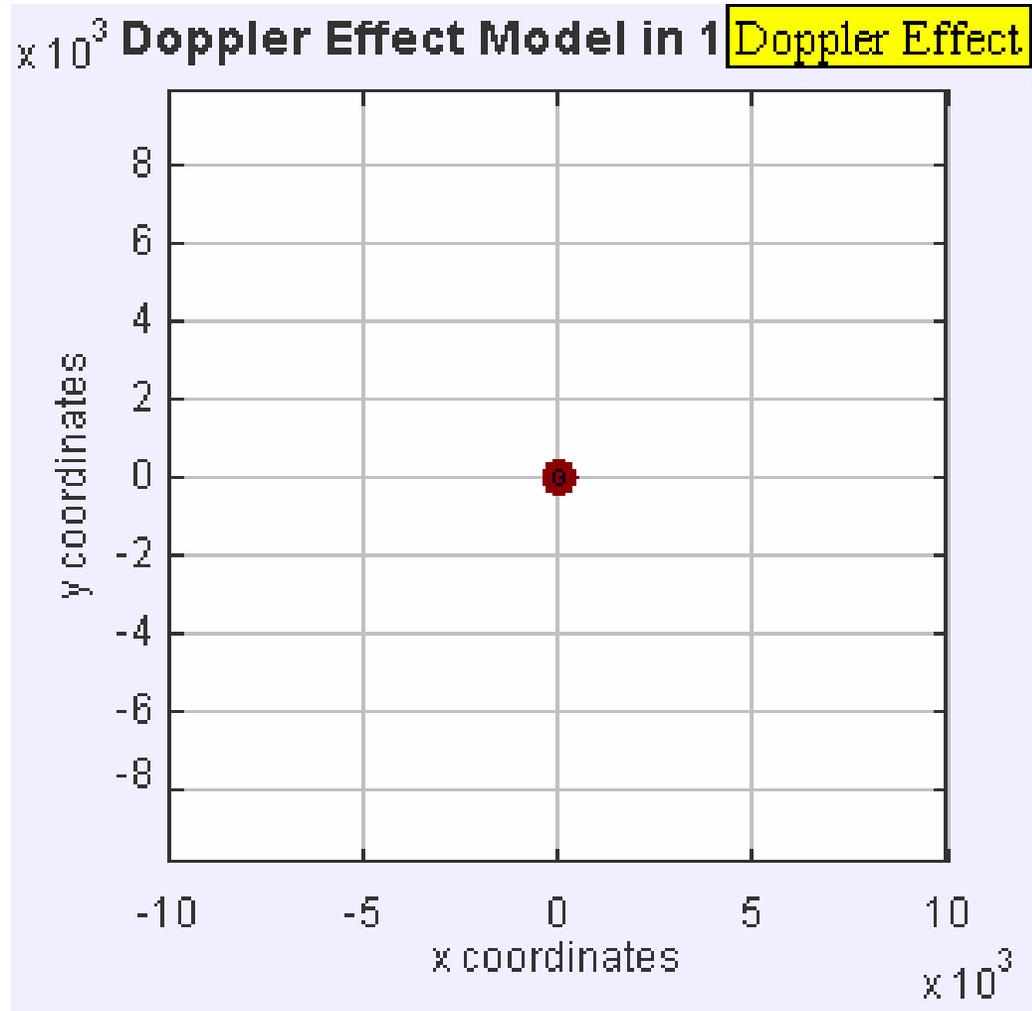
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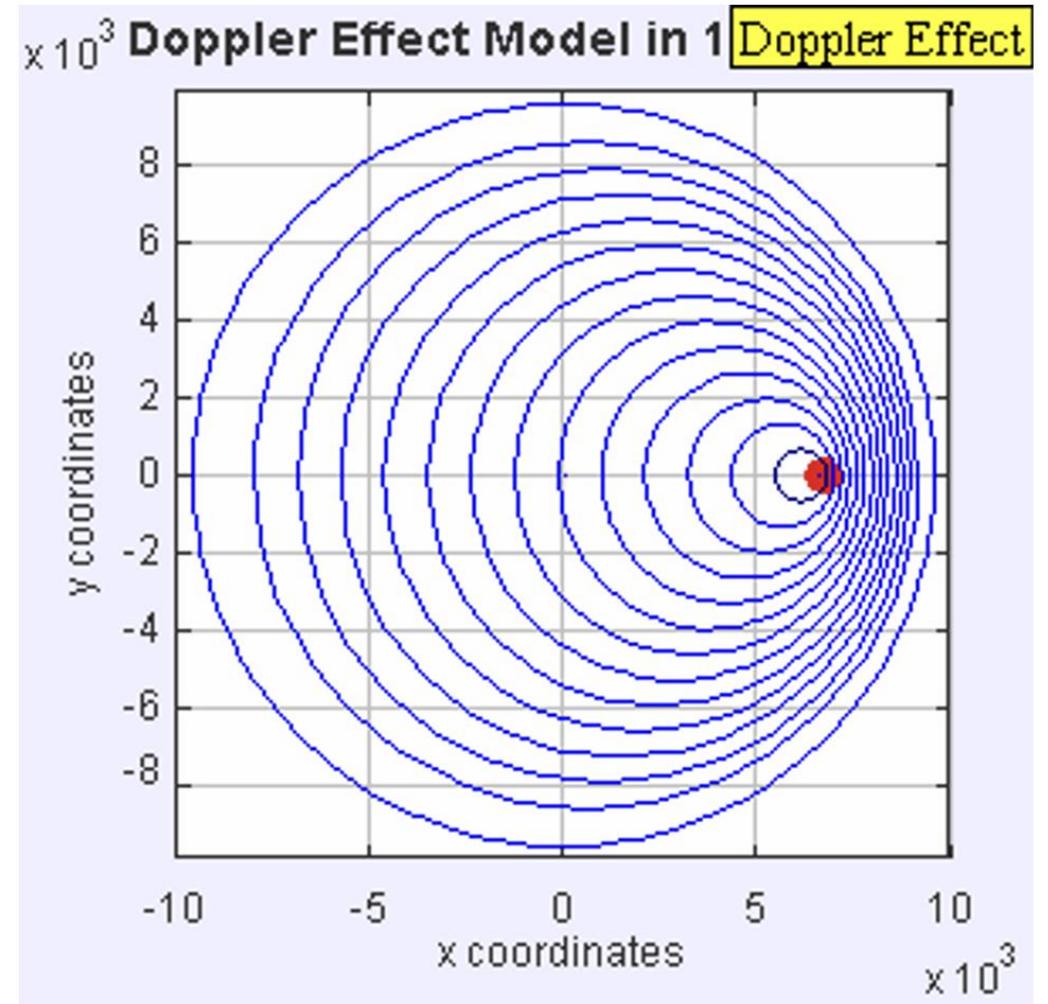
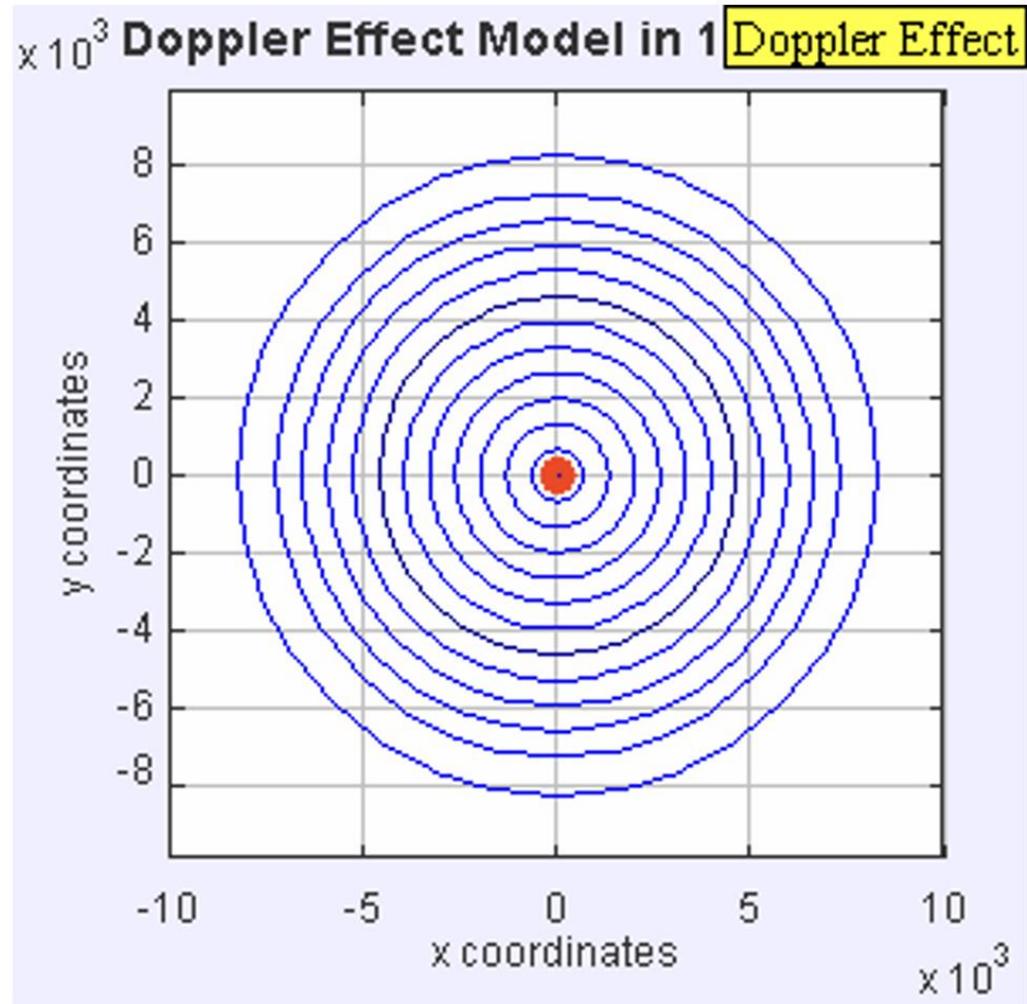
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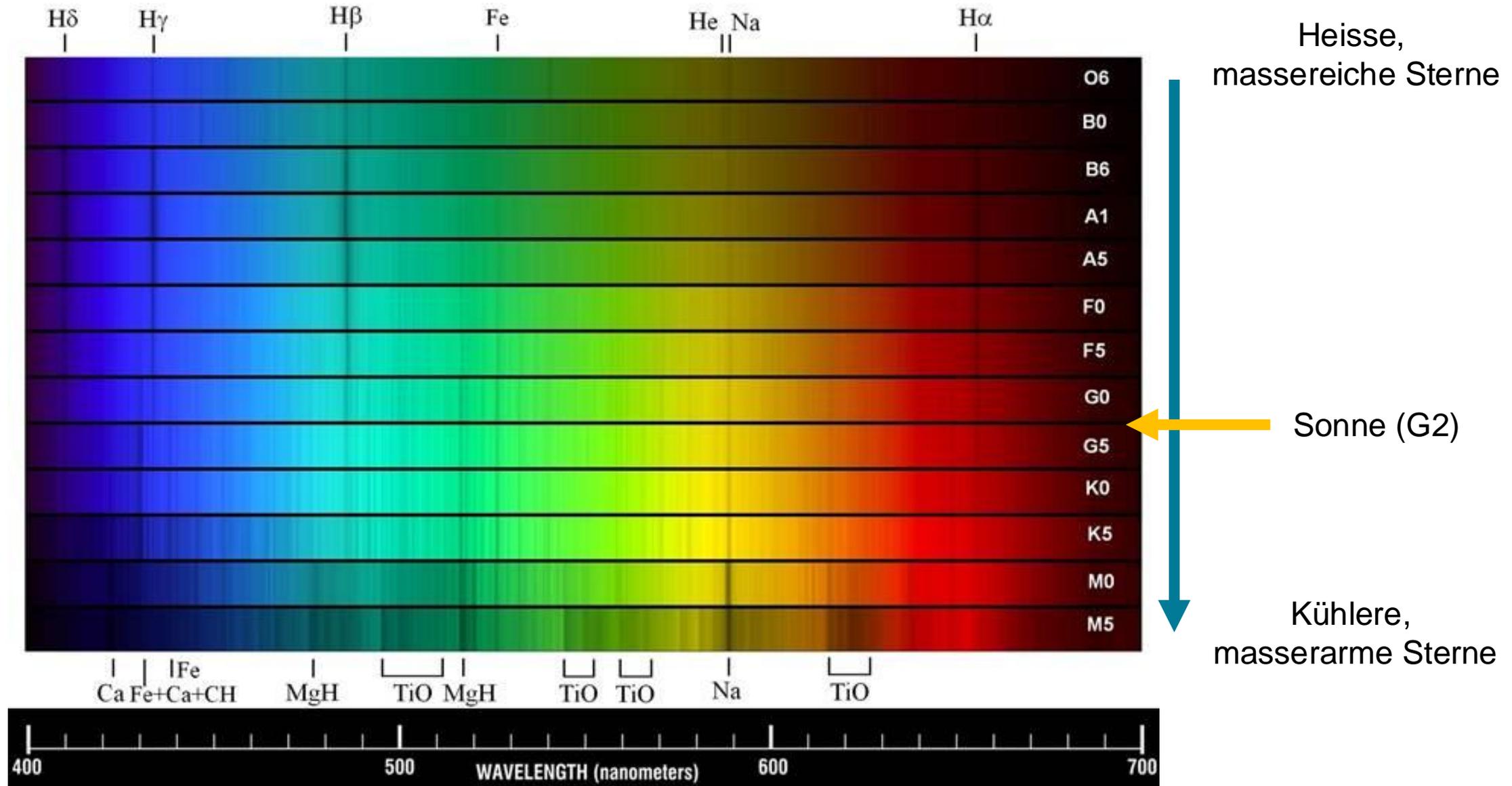
Dopplereffekt



Dopplereffekt



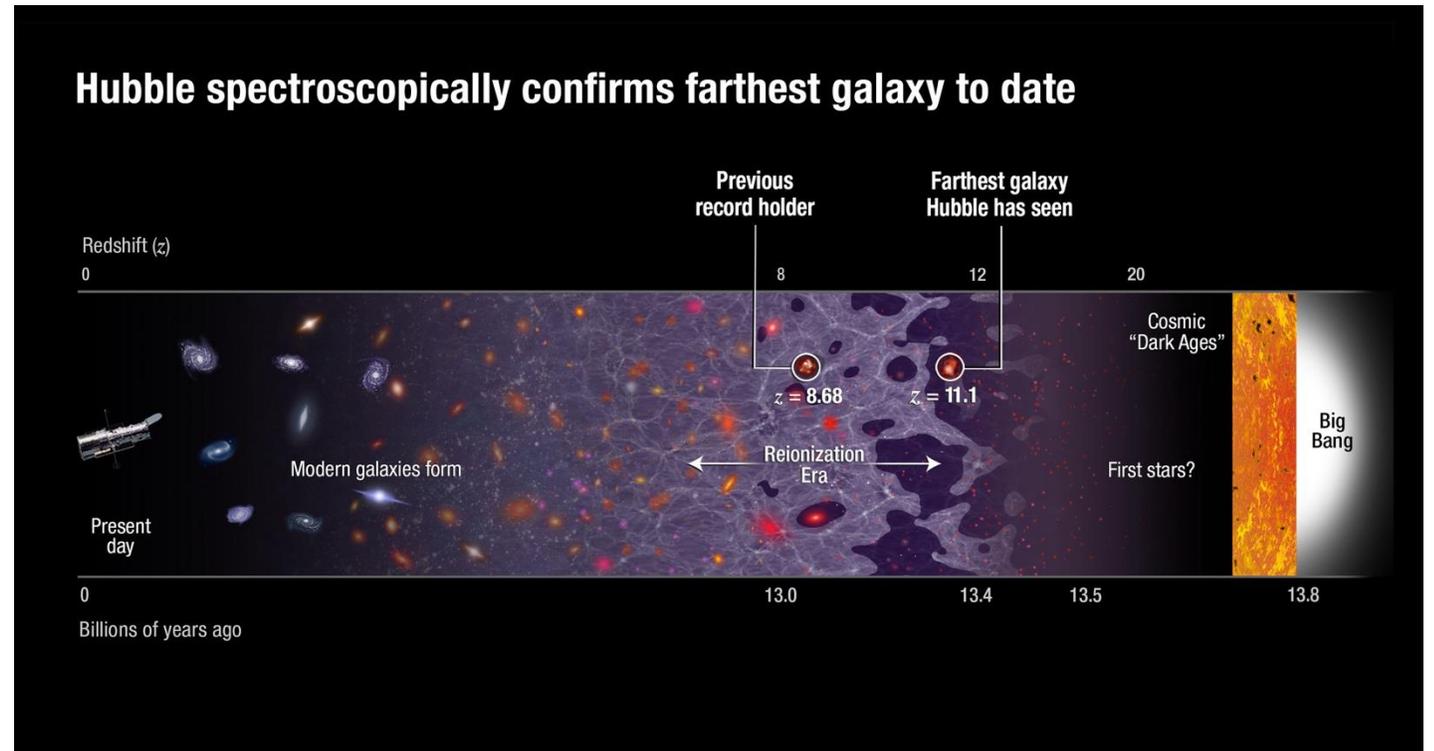
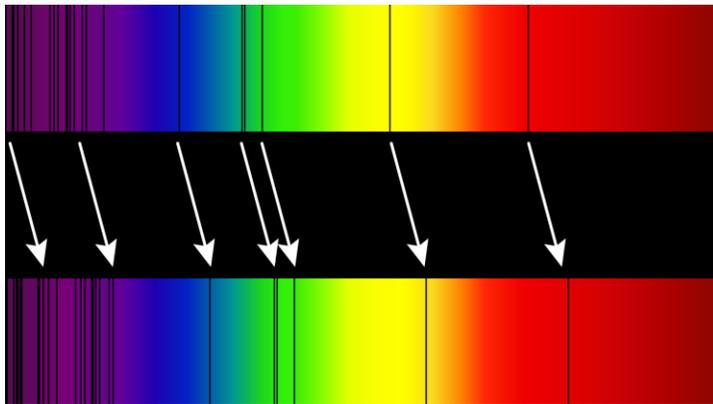
Anwendung 1: Spektren der Sterne



Anwendung 2: Entdeckung von Exoplaneten via Radialgeschwindigkeit



Anwendung 3: Expansion des Universums - Rotverschiebung



Anwendung 3: Expansion des Universums - Rotverschiebung

