On Calculations for Wavelength Spectrometry

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Associated Committee



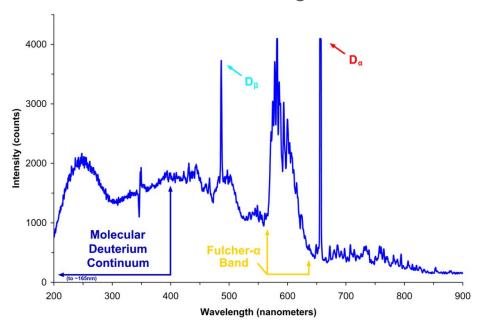
on what is Maybe Science



Spectrometry

Indicates chemical composition

Based on emitted wavelengths





Chemical Reactions

$$2Na_{(s)}+2HCl_{(aq)}
ightarrow 2NaCl_{(aq)}+H_{2~(g)}$$

Or, more generally, for chemicals e, e'



Wavelength Calculus

Recall that $\lambda = v/f$

λ-calculus

λ-introduction

λx.e

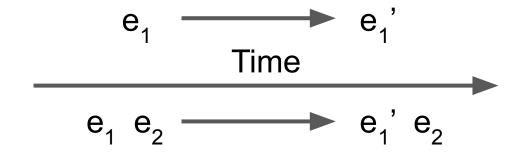
Mixing

 $e_1 e_2$

What happens with mixing?

Complicated interactions in real time

"Some antics"



More antics

What about those wavelengths

Frequency	Mixing
Time	Time
v e v e'	$(\lambda x. e) v \rightarrow e\{v/x\}$

Questions?

