A Latex Coursework Example

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1 Problem 1

All problems like the following lead eventually to an equation in that simple form.

$$\delta N_\nu = (\delta N_\nu)_{ex} + (\delta N_\nu)_{au} \tag{1}$$

1.1 Solution

Jane spent $42 for shoes.

1.2 Solution

Here is the Equation:

$$
\begin{aligned}
\sum_{i=1}^{k+1} i &= \left(\sum_{i=1}^{k} i \right) + (k+1) \\
&= \frac{k(k+1)}{2} + k + 1 \qquad \text{(by inductive hypothesis)} \\
&= \int (k+1)((k+1)+1)
\end{aligned}
$$

File names	Satellite	Resolution
worldr	Meteosat	5km
worldg	Meteosat	5km
worldb	Meteosat	5km

Table 1: This is a simple table. More complicated tables can have headings which pass over more than one column

2 Results and Analysis

2.1 Some results

Here are some results.

You can use a label on a figure to refer to it later. The university crest is in **??**. Note that you should not use phrases like "the figure above" or "the following figure" since Latex may move the figure relative to the text if it cannot be fitted onto the current page.

References

[1] L.Lamport. *1986 Latex User's Guide and Reference Manual.* Addison Wesley. pp242.

[2] F.Bloggs. *1993 Latex Users do it in Environments* Int. Journal of Silly Findings. pp 23-29.