My First Groff Document

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1. First Section

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1.1. Pythogoram Theorem

This theorem states that given a triangle with sides a, b, and $c \Rightarrow a^2 + b^2 = c^2$

2. Second Section

Here, we take a look at indentation[1]

2.1. Subsection

- Bullet point 1
- Bullet point 2

$$f(x) = 5x + 3 \tag{2.1.1}$$

$$e^{(i}\theta) = 1 + e^{(i}\theta) + \frac{1}{2!}(i\theta)^{2\cdots} \tag{2.1.2}$$

$$+ \frac{1}{N-1}(i\theta)^{N-1} + \frac{1}{N}(i\theta)^{N}$$

$$K_e = \int_{T_e} K \begin{bmatrix} (c_1^k)^2 & x_k & y_k \\ (c_1^l)^2 & x_l & y_l \\ (c_1^m)^2 & x_m & y_m \end{bmatrix} d\Omega \tag{2.1.3}$$

```
def myfunction(arg):
    arg = arg**2 - arg + 1
    return int(arg)
```

Figure 2.1.1 *This is a nice caption*

This logo won't have a figure number

Figure 2.1.3

3. Last Section

In this section, we will look at tables and hyperlinks.[2]

3.1. Table example

Yamaha DT 125 Carburetor Specifications			
Bike Model	**TZR**	**DT 3DBI**	**DT 3RN1 onward**
Make	Mikuni	Mikuni	Mikuni
Type	VM26SS	VM26SS	VM26SS
ID Mark	2RH00	3BN00	3MB00
Main Jet	180	125	210
Air Jet	0.8	0.8	0.8
Jet Needle	406	407	5J25
Needle clip position	4th	3rd	4th
Float height - all models	20-21mm (0.787-0.827in)		

Table 3.1.1 *Carburetor specifications for Yamaha DT 125*

3.2. Hyperlink example

Here is a link to the groff website where you can find documentation for groff.
Youtube is a great website for informational videos

Table of Contents

References

1. M O Tatar and A Pop, "Development of an in pipe inspection minirobot," *IOP Conf. Series: Materials Sceince and Engineering* **147** (2016).

2. By Atsushi Kakogawa and Shugen Ma, "Robotic Search and Resque through In-Pipe Movement" in *Unmanned Robotic Systems and Applications,* ed. Mahmut Reyhanglu and Geert De Cubber (2019).