Welcome to Groff

GNU troff (groff) - a GNU project

Ms macros template by *Sudarson Nantha*

1. First Section

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Here is proof that forward referencing works. Figure 2.1.1 shows an old monument in Bharathi Park, Pondicherry.

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

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

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

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

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

```
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 PDF links.[2]

3.1. Links using .pdfhref

3.1.1. Internet Hyperlinks

Here is an internet hyperlink to the Groff Manual where you can find documentation for groff.
Youtube is a great website for informational videos

3.1.2. PDF links

Affixed text to Equation (2.1.1) is the first equation
Fig(2.1.3) is the MSI logo
Table(3.2.1) contains the specs for carburetors found in Yamaha DT 125 motorcycle.
Notice that this does forward referencing.

3.2. 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 3.2.1 *Carburetor specifications for Yamaha DT 125*

List of Equations

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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).