Latex Cheatsheet

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1 Random

bold text
    italic text
    <u>underline</u>
    normal emphasize
    emphasize inside italic - emph
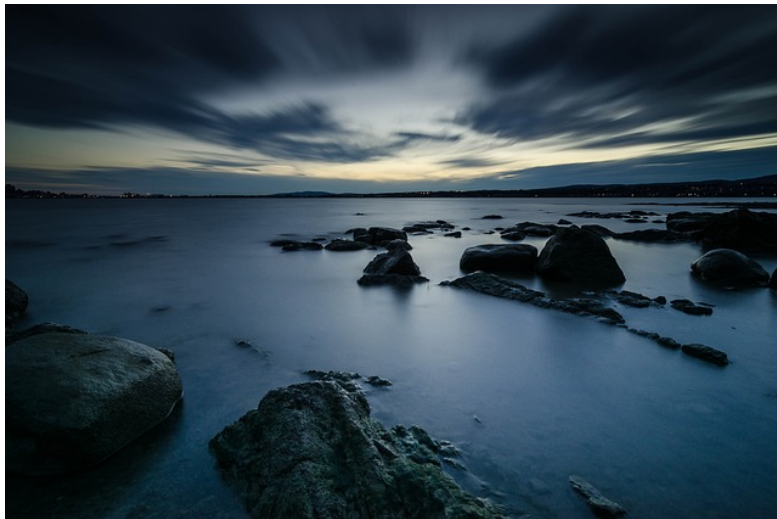   **emphasize inside bold - *emph***

Figure 1: some cool photo

1 labeled figure reference.
1 page reference based on labeled figure

- unordered item

- unordered item numero dos

1. ordered list

2. ordered list numero uno

Math Stuff

In physics, the mass-energy equivalence is stated by the equation $E = mc^2$, discovered in 1905 by Albert Einstein.

$E = mc^2$

$$E = mc^2$$

$$E = mc^2 \tag{1}$$

$$T^{i_1 i_2 \ldots i_p}_{j_1 j_2 \ldots j_q} = T(x^{i_1}, \ldots, x^{i_p}, e_{j_1}, \ldots, e_{j_q})$$

integral $= \int$, fraction $= \frac{a}{b}$.

Limits are placed on integrals using subscripts and subscripts:

$$\int_0^1 \frac{dx}{e^x} = \frac{e-1}{e}$$

Lower case greek letters $= \omega \; \delta$, uppercase $= \Omega \; \Delta$

Mathemtical operators are prefixed with a backslash as $\sin(\beta)$, $\cos(\alpha)$, $\log(x)$ etc.

2 Math

2.1 Math Mode Accents

$$\hat{a} hat \qquad\qquad \bar{a} bar \qquad\qquad \vec{a} vec$$