DEM Modeling of Ballistic Gelatin for Low Energy Impacts

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Blocks

General block

A general block ...

Alert block

An alert block ...

Example block

An example ...

Theorem (Theorem block)

A theorem ...

STB Colours

Color name	RGB
stbMaroon	(97, 34, 59)
stbGold	(183, 153, 98)
stbGreen	(130, 204, 174)
stbOrange	(220, 68, 5)
stbWine	(166, 10, 61)
stbSoil	(100, 51, 53)

Lists

Itemize

- First item
- Second item
- ...

Enumerate

1. First item
2. Second item
3. ...

Description

First item ...

Second item ...

... ...

Math

Residue Theorem

Let f be analytic in the region G except for the isolated singularities $a_1, a_2, \ldots, a_m$. If γ is a closed rectifiable curve in G which does not pass through any of the points a_k and if $\gamma \approx 0$ in G then

$$\frac{1}{2\pi i}\int_\gamma f = \sum_{k=1}^{m} n(\gamma; a_k)\mathrm{Res}(f; a_k).$$

Another nice theorem from complex analysis is

Maximum Modulus

Let G be a bounded open set in $\mathbb{C}$ and suppose that f is a continuous function on G^- which is analytic in G. Then

$$\max\{|f(z)| : z \in G^-\} = \max\{|f(z)| : z \in \partial G\}.$$

Thank you