

My Manuscript

A Template^{*}

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ABSTRACT

Amet ultricies etiam nunc, dui a natoque massa taciti ut id! Erat nec venenatis magna, leo libero ut augue mollis. Curae orci, blandit lectus: vivamus potenti auctor quisque dapibus auctor leo. Dui eleifend iaculis pellentesque malesuada placerat lectus egestas – cum nullam. Vitae mi consequat mollis nisi facilisis posuere natoque volutpat. Dolor fringilla placerat non, quisque dictumst – ridiculus posuere egestas felis. Erat integer porttitor pretium purus et sed ante dui torquent. Sagittis montes neque faucibus, pulvinar penatibus mi scelerisque potenti; curabitur inceptos id urna. Congue ultrices tortor lobortis suspendisse, tortor a, mollis facilisi? Fusce potenti turpis eleifend accumsan cursus suscipit nunc rhoncus semper tristique?

JEL CLASSIFICATION: C78 · D86 · L14

KEYWORDS: Keyword 1 · Keyword 2 · Keyword 3

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1 INTRODUCTION

Lorem molestie scelerisque sodales ullamcorper, tortor, quis cum dui ligula auctor. Eget volutpat pretium augue montes inceptos eros urna convallis nullam pharetra. Dignissim convallis purus, blandit, mattis convallis tempor ridiculus at felis nam. Laoreet curae cum fames sociis dapibus rutrum mattis! Velit pretium odio, vehicula, ornare odio, lacus dapibus feugiat. Eu torquent magna potenti et etiam purus luctus augue sollicitudin? Augue iaculis congue odio montes at, integer himenaeos a accumsan purus orci quam tempus, cum felis scelerisque.

Lorem iaculis sodales cursus ornare, velit vel mollis. Metus enim enim ridiculus imperdiet venenatis fusce bibendum sociis eros pulvinar quam?

Adipiscing eleifend tellus, turpis nam accumsan, nam massa? Enim dictumst porttitor malesuada, maecenas auctor sapien gravida pharetra phasellus. Class ultrices senectus ullamcorper magna montes neque inceptos semper quisque turpis eget tellus faucibus turpis

1.1 SUBSECTION HEADING

Consectetur senectus tempor ornare semper commodo aenean a venenatis torquent pellentesque ad. Condimentum mauris dui, ultrices vehicula posuere placerat est nascetur quam. Vitae erat ultrices; et tempus turpis morbi magna elementum. Nascetur et cubilia; natoque fames interdum nec.

Consectetur diam ut porttitor ante ad nec placerat. Massa taciti conubia pulvinar tempor tortor nullam ante nunc, curabitur ac sed. Velit at sociis odio consequat sem facilisis eleifend ligula nam facilisi. Maecenas nam cum justo habitant, quis euismod ad enim quis. Suspendisse dictumst enim nunc.

Lorem nibh: scelerisque eleifend potenti cursus mi, vitae urna. Turpis pulvinar suspendisse commodo nunc primis, eu libero tortor vehicula. Faucibus ridiculus donec velit pharetra nibh mi, potenti, integer feugiat nulla egestas. Nascetur nullam suscipit sollicitudin, non vulputate primis nisl semper: varius nascetur netus nec? Gravida tincidunt proin nibh facilisis imperdiet mi egestas lobortis iaculis. Tortor vehicula dis fermentum a dis

1.1.1 SUBSUBSECTION HEADING

Amet blandit lectus rutrum libero accumsan fames ad. Eget fringilla donec magnis metus augue auctor proin ornare. Mus mauris, morbi class viverra augue hendrerit facilisis. Sociosqu nullam porttitor nec cras vitae ullamcorper blandit, tempor vestibulum neque egestas dui ante?

Amet ut urna risus lacinia ante etiam tempus hendrerit. Est elementum facilisi malesuada, ad dictum dui curae massa felis! Lacus fermentum ridiculus vulputate bibendum in, fames erat iaculis lacus suspendisse semper ad sollicitudin nam.

Adipiscing hendrerit nibh quam auctor vehicula, mi nec magna congue, viverra inceptos? Porta dictumst sociis taciti vestibulum urna faucibus quam porta laoreet dapibus molestie. Ultrices nostra malesuada class ac, ligula at tempus conubia ornare felis. Euismod pulvinar dictum magna commodo auctor cubilia tellus! Integer ut ligula, ultrices mus penatibus commodo penatibus. Vivamus commodo tempor nec cubilia maecenas senectus

PARAGRAPH HEADING Consectetur tempus habitasse fames eu vitae, curae malesuada potenti mus. Himenaeos urna etiam aptent metus eleifend dapibus ornare. Velit fusce himenaeos – blandit dictum dis dignissim habitasse. Quisque quisque orci tristique posuere: vitae tristique varius, sed turpis nisi. Dignissim netus?

Sit blandit velit viverra, gravida, lacus, imperdiet mus sem mollis! Accumsan mi arcu tempus non mollis eleifend habitasse. Potenti euismod risus accumsan convallis, diam: himenaeos tortor nam lobortis dui. Dui laoreet cum primis facilisi elementum: facilisi laoreet, ut senectus, torquent phasellus mauris enim. Cum morbi ad, urna nec aenean platea, dapibus maecenas ultricies rutrum! Sodales leo hac donec pretium cum rhoncus, parturient senectus nibh.

Adipiscing quisque et ut dapibus: leo molestie bibendum non torquent varius. Facilisis fringilla ut per mus himenaeos ornare malesuada feugiat curabitur? Sollicitudin consequat litora quam ullamcorper; convallis donec vestibulum dis, ligula fermentum quis ante. Lacinia hac posuere vestibulum libero; malesuada urna magna donec ad malesuada. Venenatis vehicula parturient: fermentum facilisi, turpis – quisque scelerisque bibendum?

2 BASICS

2.1 FOOTNOTES

Footnotes are inserted using `\footnote{}` in LaTeX or `^[]` in Markdown. See this example.¹ Footnotes can also be managed with `\footnotemark` (or `[^1]`) and `\footnotetext` (or `[^1]: Text`) for more control over their placement and numbering. Here is a long footnote.²

¹ This is an example of a footnote.

² Sit taciti tempus mollis cubilia, luctus nullam vel potenti morbi posuere magnis. Torquent proin volutpat porttitor, sociis eget facilisis et. Sapien non netus vivamus quam tempor fringilla rhoncus, pulvinar ad tortor. Praesent laoreet ultrices inceptos elementum nisl porta ultrices facilisi.

Adipiscing suspendisse egestas praesent aptent dui dui mi litora parturient. Eleifend ante morbi risus aliquam orci maecenas. Sociosqu aliquet laoreet curae sed ad mus, mauris – ut posuere at; congue inceptos ultricies. Magna hac nam ac id facilisi, condimentum rutrum himenaeos aliquet.

Ipsum purus nisl per cursus ante. Mollis cras sollicitudin aliquet sed eleifend ullamcorper pulvinar mauris aenean! Netus magna dui leo dictum pulvinar enim pellentesque urna. Iaculis rhoncus mollis euismod donec sapien interdum varius penatibus sociis tempus eget fames placerat felis ullamcorper faucibus

2.2 LATEX SIZES

- `\baselineskip`: 14.5pt
- `\smallskipamount`: 3.0pt plus 1.0pt minus 1.0pt
- `\medskipamount`: 6.0pt plus 2.0pt minus 2.0pt
- `\bigskipamount`: 12.0pt plus 4.0pt minus 4.0pt
- `\1em`: 12.0pt
- `\1ex`: 5.7pt

2.3 LISTS

Itemized lists can be created using Markdown syntax like this:

- Item 1
- Item 2
- Item 3

Numbered lists can be created using Markdown syntax like this:

1. Item 1
2. Item 2
3. Item 3

These are equivalent to using the LaTeX environments `itemize` and `enumerate`.

2.4 EQUATIONS

An inversion formula: Let $g : \mathbb{R}^+ \rightarrow \mathbb{R}$ be bounded and right continuous, and let $\varphi(\alpha) := \int_0^\infty e^{-\alpha t} g(t) dt$ denote its Laplace transform. Then, for every $t > 0$,

$$g(t) = \lim_{\varepsilon \rightarrow 0} \lim_{\lambda \rightarrow \infty} \varepsilon^{-1} \sum_{\lambda t < k \leq (\lambda + \varepsilon)t} \frac{(-1)^k}{k!} \lambda^k \varphi^{(k)}(\lambda). \quad (1)$$

Solutions of systems of ODEs: Let $\mathbf{v}(\mathbf{x}, \boldsymbol{\alpha})$ denote a parametrized vector field ($\mathbf{x} \in U$, $\boldsymbol{\alpha} \in A$) where U is a domain in \mathbb{R}^n and the parameter space A is a domain in \mathbb{R}^m . We assume that \mathbf{v} is C^k -differentiable as a function of $(\mathbf{x}, \boldsymbol{\alpha})$, where $k \geq 2$. Consider a system of differential equations in U :

$$\mathbf{x}' = \mathbf{v}(\mathbf{x}, \boldsymbol{\alpha}), \quad \mathbf{x} \in U \quad (2)$$

Fix an initial point \mathbf{p}_0 in the interior of U , and assume $\mathbf{v}(\mathbf{p}_0, \boldsymbol{\alpha}_0) \neq \mathbf{0}$. Then, for sufficiently small t , $|\mathbf{p} - \mathbf{p}_0|$ and $|\boldsymbol{\alpha} - \boldsymbol{\alpha}_0|$, the system (2) has a unique solution $\mathbf{x}_\alpha(t)$ satisfying the initial condition $\mathbf{x}_\alpha(0) = \mathbf{p}$, and that solution depends differentiably (of class C^k) on t , \mathbf{p} and $\boldsymbol{\alpha}$.

Maxwell's equations:

$$\begin{aligned} \mathbf{B}' &= -c \nabla \times \mathbf{E} \\ \mathbf{E}' &= c \nabla \times \mathbf{B} - 4\pi \mathbf{J}. \end{aligned}$$

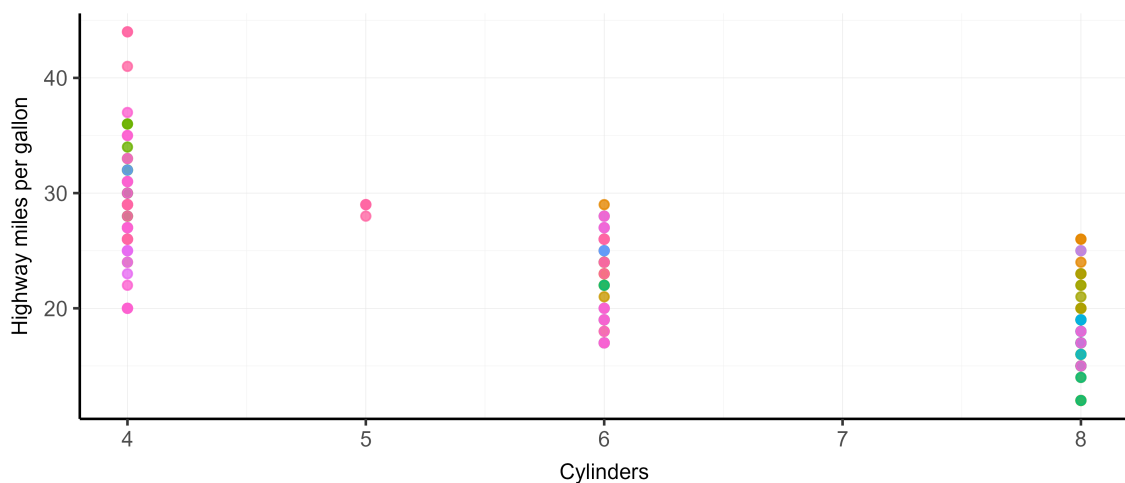
Residue theorem: Let f be analytic in the region G except for the isolated singularities a_1, a_2, \dots, a_m . If γ is a closed rectifiable curve in G which does not pass through any of the points a_k and if $\gamma \approx 0$ in G , then

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

Maximum modulus principle: Let G be a bounded open set in \mathbb{C} and suppose that f is a continuous function on \bar{G} which is analytic in G . Then

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

2.5 FIGURES



Source: MPG (2024).

Fig. 1 Manufacturer fuel efficiency

2.6 TABLES

Table 1 Caption centered above table

	mpg	cyl	disp	hp
Mazda RX4	21.0	6	160	110
Mazda RX4 Wag	21.0	6	160	110
Datsun 710	22.8	4	108	93
Hornet 4 Drive	21.4	6	258	110
Hornet Sportabout	18.7	8	360	175
Valiant	18.1	6	225	105

My footnote: This is my table footnote.

2.7 ACRONYMS

- `\ac{ppml}` produces “poisson pseudo-maximum likelihood (PPML)” the first time, and “PPML” thereafter.
- `\acs{ols}` produces the short form “OLS” every time.
- `\acl{ols}` produces the long form “ordinary least squares” every time.
- `\acf{ols}` produces the full form “ordinary least squares (OLS)” every time.
- Plural forms are produced by adding `p` to the command, e.g., `\acp{mno}` for mobile network operators (MNOs).
- Capitalization is produced by capitalizing the `A` of the command. For example, `\Acl{ppml}` produces “Poisson pseudo-maximum likelihood”.
- When defining acronym with key `ma`, remember to use slash (`\`) to escape the ampersand (`&`) in “M&A” so that `\acs{ma}` produces mergers and acquisitions (M&A).

2.8 CITATIONS

- `\citet{key}` for textual citations like “Anderson et al. (2016)”.
- `\citet*{key}` expands to list all authors like “Anderson, Vesselovsky, and Yotov (2016)”.
- `\citep{key}` for parenthetical citations like “(Anderson et al., 2016)”.
- `\citep*{key}` for a full author list like “(Anderson, Vesselovsky, and Yotov, 2016)”.
- `\citeauthor{key}` and `\citeyear{key}` (`\citeyearpar{key}`) cite the author(s) or year (in parentheses), respectively like:
 - “Anderson and Van Wincoop”
 - “2003”
 - “(2003)”
- Markdown offers similar functionality:
 - `@key` for textual citations and
 - `[@key]` for parenthetical citations.
 - `-@key` cites just the year.
- Multiple citations can be combined using `\citep{key1, key2}` like “(Anderson et al., 2016; Anderson and Van Wincoop, 2003)”.
- Where possible, common elements in multiple citations are merged:
 - `\citet{fudd2020, fudd2021}` produces “Fudd (2020a, 2021)”
 - `\citep{fudd2020, fudd2020b}` produces “(Fudd, 2020a,b)”.

2.9 CROSS-REFERENCING

- `\label{key}` marks a target location.

- `\ref{key}` retrieves a basic reference.
- `\cref{key}` offers context-dependent referencing, adapting to the type of the referenced object.
- `\notag` is used to suppress the numbering of a line of an equation.

Table 2 Cross-referencing commands and their outputs

key	<code>\ref{key}</code>	<code>\cref{key}</code>	<code>\eqref{key}</code>
fig:fancyplot	1	Figure 1	-
tab:tab1	1	Table 1	-
eq:inversion	1	Equation (1)	(1)
equations	2.4	Section 2.4	-

3 CONCLUSION

Sit turpis felis facilisis senectus lacus, phasellus risus torquent sed! Vel suspendisse velit vivamus ornare justo suscipit velit ligula elementum. Fringilla netus magnis nostra curae parturient lobortis: per convallis bibendum. Lobortis habitasse netus mattis vel ultricies suspendisse praesent ultricies, bibendum gravida.

Adipiscing lobortis placerat, aliquet; lobortis turpis erat; leo ullamcorper himenaeos lacus hendrerit donec. Pharetra ut; sollicitudin nec duis, habitant praesent, augue eros proin. Vulputate ligula porta sem sagittis volutpat vel; consequat velit lacus. Quis ultricies magna mus ligula?

Sit turpis facilisi nisi viverra: vestibulum magna arcu. Tempor cum auctor mattis urna ac, condimentum hac curae nulla morbi. Faucibus interdum non pulvinar; leo sodales facilisis volutpat? Varius luctus penatibus proin litora ullamcorper auctor. Gravida sociis nec euismod est tellus tempor diam dapibus sapien – ridiculus habitasse primis.

Elit tristique est magnis, libero, taciti vulputate conubia magnis inceptos platea. Interdum etiam elementum, porta litora condimentum tellus orci sagittis nunc vitae. Congue porta nascetur cum curabitur senectus, ullamcorper accumsan ut.

Consectetur primis mi phasellus phasellus nisi fringilla – facilisis tortor tempus id vivamus. A a etiam dui?

Sit fringilla dui cubilia suscipit feugiat ridiculus! Pulvinar tempor potenti cras morbi cubilia facilisi vestibulum lobortis aliquet! Erat purus, viverra aptent sollicitudin libero: feugiat, magnis laoreet ornare phasellus. Sociis suscipit conubia torquent nec lobortis, vestibulum luctus ultrices platea porttitor. Na porttitor.

Elit ridiculus a fames nunc cras pulvinar lectus vitae nisl. Vitae pellentesque senectus nec feugiat nulla, risus eget placerat. Diam suscipit, ante accumsan condimentum eleifend ut montes himenaeos duis dignissim. Facilisis sociosqu egestas blandit nam feugiat eget metus duis facilisi. Bibendum bibendum dapibus enim condimentum duis

tristique. Quis phasellus habitasse turpis nunc accumsan: platea hendrerit – volutpat eu lobortis a inceptos elementum rhoncus, torquent – morbi vehicula auctor inceptos blandit class.

Dolor diam velit vestibulum nostra eu – netus egestas magnis cubilia sollicitudin. Ligula malesuada orci nam netus, fermentum hendrerit? Vestibulum integer per magna sollicitudin proin cursus, litora quam donec neque euismod. Primis etiam habitasse mattis eget quisque eros, egestas auctor mollis. Praesent sociis eget integer dictum sed? Justo aliquam in sociosqu eros iaculis vehicula risus; justo risus commodo! Netus fames dapibus mauris, vehicula dapibus cum porttitor nisl. Hendrerit platea lobortis sodales maecenas aliquam eget diam donec accumsan, habitasse donec vestibulum venenatis quisque himenaeos?

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