영문논문 예제 2023.9.03. 수정 🡨실제 논문작성시에는 이 줄은 삭제해주세요.

**A Study on Deep Reinforcement Learning Framework for DME Pulse Design**

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첫번째 저자는 발표자이며, 별표 위첨자는 교신저자를 의미합니다.

주의 – 저자 이름의 표기 방법은 공동저자 본인들에게 확인하여 정확히 기록하여 주세요.

주의 – 저자들의 소속이 같은 경우 이름 뒤에 붙이는 위첨자 ‘1’, ‘2’ 등과 소속 앞에 붙이는 위첨자 ‘1’, ‘2’ 등은 붙이지 않는다 (저자들의 소속이 같을 경우에는 구분할 필요가 없으므로 불필요함).

연락처: XX-XXX-XXXX 이메일: (전화번호와 이메일은 논문 수정 연락을 위해 필요)

**ABSTRACT**

We present a new approach to remote sensing of water vapor based on the global positioning system (GPS). Geodesists and geophysicists have devised methods for estimating the extent to which signals propagating from GPS satellites to ground‐based GPS receivers are delayed by atmospheric water vapor. …. ….. …. could be used to sense the vertical distribution of water vapor in their immediate vicinity. Data from ground‐based GPS networks could be analyzed in concert with observations of GPS satellite occultations by GPS receivers in low Earth orbit to characterize the atmosphere at planetary scale.

요약문의 길이는 15줄 내외로 작성한다.

**Keywords:** GPS, spoofing, anti-spoofing, TOA (영문으로 3-4개 정도로 하고 특별한 경우 (약어 등)가 아니면 모두 소문자로 작성한다 (Spoofing, Anti-spoofing처럼 첫 글자 대문자도 안됨).

**1. Introduction**

Manuscripts shall be prepared in the following manner: Title, Author name, Mailing address, Phone and fax number, e-mail address, Heading (shorter version of the title that is to be printed in the upper-right corner of each page), Abstract, Keywords, Main text, Acknowledgments (optional), References, Appendices (optional), Figure captions, Table captions, Figures, Tables. Figures, figure captions, tables and table captions shall be inserted after the references in principle, but are also permitted to be inserted in the main text.

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Abbreviations shall be given in full names when mentioned for the first time. The full names shall be included once again in the main text even if the abstract has already mentioned them. For example, Global Navigation Satellite System (GNSS).

Symbols of elements shall be written in Roman type and not italicized. SI units and astronomical units shall be used in common abbreviations (cm, m, km, A.U., pc, arcsec, Mpc, mag, etc.). All sentences shall not begin with symbols or numbers.

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**2. Main Topics**

Articles that are cited shall be written using the author's last name and year of publication at the relevant section of the paper as shown follow: Ex.1) . . . (Hale 1929). Do not put a comma before the year, Ex.2) Hale & Kim (1929) found…, Ex.3) Hale et. al. (1929) or (Hale et al. 1929). If there are 2 or 3 authors, use the symbol "&" instead of "and". If there are 3 authors, put a comma before "&", for example: Hale, Kim, & Lee (1968). If there are 3 or more authors, use "et al." when making citations in the main text. Use a normal font instead of italics, and put a period at the end. But in references, if there are 5 or more co-authors write only up to 5 names and mark the rest with "et al."

When citing two or more articles published by the same author in the same year, they shall be differentiated using symbols such as "a, b, c" next to the year. The same rule also applies to the references: Ex.1) Hale (1929a), Ex.2) Hale (1929a,b)

References shall be provided in alphabetical order of the authors' names. If there are multiple articles by the same author, write the article in the order of publication. If there are articles by a single author and co-authors including the same person, the article published by a single author shall be provided first. References shall be written in English even if the original article cited is written in Korean.

If one of the reference data is too long and it moves on to the next line, make an indentation starting with the next line. Papers in publication or that are in preparation for publication shall be marked “in press”, “submitted”, and “in preparation”. If there are 2 or more authors, put "&" before the last author. If there are 3 or more authors, put a comma before "&". : Hale, J. R., Tayler, R. J., & Suwart, K. R. 1993, . . .

The title of the journal shall be summarized according to the general standard of the SCI academic journals. Write the volume in Arabic numerals for journal articles, and as "vol.2" for books in series.

**3. Euations, tables and Figures**

All equations shall be centered. Mark all equations with the serial number (1), (2), ... on the right side of the page. When citing equations, mark them with Eq. (3), Eqs. (3,5), Eqs. (3-6). To mark vectors, write the text in bold instead of using arrows above the text. Do not write a title for an equation.

Ex: The carrier phase GF combination is given by

|  |  |
| --- | --- |
|  | (1) |

where is a carrier phase GF observation transmitted from a satellite *k* to a receiver *i*, *f*1 and *f*2 are the frequency values of dual frequency GNSS signal, is the ionospheric delay of the first frequency….

Do not use vertical lines in any of the tables, but use only horizontal lines. All tables shall have the serial number in Arabic numerals, which shall be used to mark "Table 1" or "Tables 1 and 2" when making a citation. All tables shall have a brief title. The title shall be located above the table, and have a period at the end. Tables shall be centered. When organized with the text, they shall be located at the top or bottom of the page. All horizontal lines of tables shall be used at the bottom section above the table column heading and last section in single lines. Each column heading shall be in simple words and the first letter capitalized. When necessary, footnotes can be used under the table using Arabic numerals in superscripts. Unit symbols are to be included not on the body of the table, but on the column headings. Do not put special effects such as shading on the tables.

Ex.1) Fig. 1 shows …. Comparing these values with random constant bias of 5, and drift bias of 8 given in Table 1, it can be seen that the gyro output data in Fig. 1 ….

Ex.2) IMU data were generated using the error characteristics of the SiIMU02 IMU given in Table 1 and 3.1.

Table 1. Threshold of the acceleration, ramp, and step.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Elevation  Angle (°) | L1 (m) | | |  | L2 (m) | | |
| Acceleration | Ramp | Step |  | Acceleration | Ramp | Step |
| 5~15  15~30  30~45  45~60  60~75  75~90 | ±0.0010  ±0.0009  ±0.0009  ±0.0009  ±0.0008  ±0.0008 | ±0.025  ±0.010  ±0.010  ±0.009  ±0.008  ±0.008 | ±0.0035  ±0.0030  ±0.0028  ±0.0028  ±0.0026  ±0.0026 |  | ±0.0012  ±0.0010  ±0.0010  ±0.0010  ±0.0008  ±0.0008 | ±0.025  ±0.010  ±0.010  ±0.009  ±0.008  ±0.008 | ±0.0055  ±0.0033  ±0.0030  ±0.0030  ±0.0028  ±0.0028 |

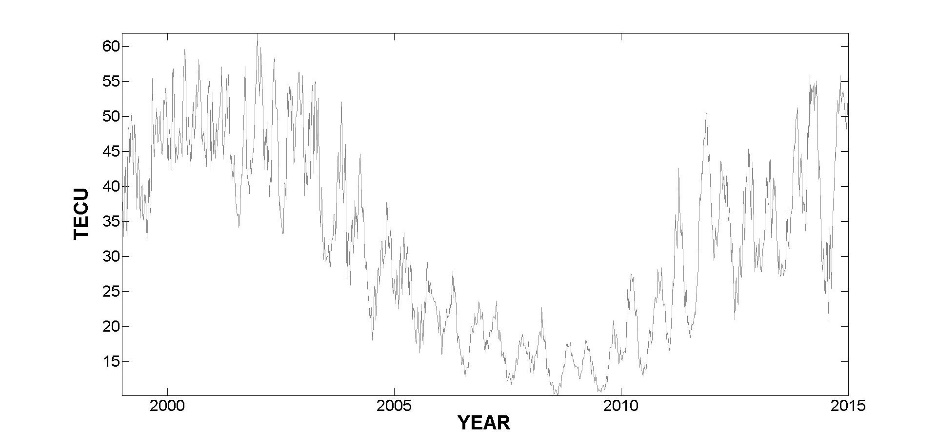


Fig. 1. The caption of figure.

All figures shall have the serial number in Arabic numerals, "Fig. 1” or “Figs. 1 and 2” when making a citation. All figures shall have adequate captions containing the explanations of the contents, lines and symbols to improve understanding. Put figure captions below the figures and align text on both sides. Figures as well as texts in the figures shall meet the resolution requirement of 600 dpi and above. Texts in the figures shall be as close to 11pt font size as possible when printed so that they match the main text. Figures shall be done in black and white printing. But if color printing is required, this is allowed on the assumption that the author covers the additional costs. All graphs shall have borders on all four sides, and a clear indication of the name of each axis, numbers and units.

For other general figures (schematic diagrams, flowcharts, etc.), borders are not required. When forming a single figure by combining multiple figures, put captions such as (a), (b), (c) clearly inside the figure. For photographic data, the original shall be submitted if good results are not available with half-tone printing. In this case, the author is required to cover the additional printing cost. All figures shall be submitted in electronic files. If figures are submitted separately from the main text, they shall be labeled with a file name and the serial number for figures at the bottom of figure printing. All figures shall be centered. When organized with the text, they shall be located at the top or bottom of the page.

Ex: In Figs. 2, 3, and Table 2, the Root-Sum-Square (RSS) navigation errors for …

**4. Conclusions**

The publication …

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참고문헌은 모두 영문으로 기록하고, 저자의 ‘성’ 순으로 정렬한다. 성이 같을 경우 이름 순으로 정렬하고, 성과 이름이 같을 경우는 두번째 저자를 비교하여 정렬한다 (아래 참고문헌 6~7번 Ha, J. … 참고).

**\*주의- 각 논문 별 저자를 알파벳 순으로 정렬**하라는 의미가 아님

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