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Symmetric Ram Migrations Style

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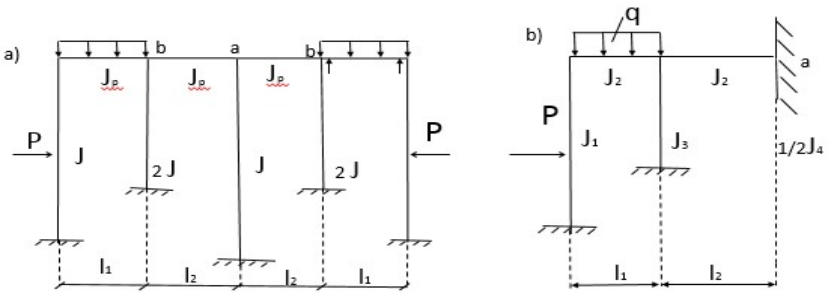
Abstract. Symmetric Ram. Symmetric and inverse symmetric external loads. Calculation of symmetrical Ram by the method of displacement. To facilitate the calculation of symmetrical Ram by the method of displacement, it is necessary to introduce the method of grounding unknown, as well as the method of dividing external loads into symmetric and inverse symmetric loads.

Keywords: symmetric Ram, symmetric and inverse symmetric external loads.

To facilitate the calculation of symmetrical Ram by the method of displacement, it is necessary to introduce the method of grounding unknown, as well as the method of dividing external loads into symmetric and inverse symmetric loads.

When the method of grounding unknowns is applied, in the main system, the unit unknowns are symmetrical and reverse semi trig bending moment epyrs drawn in the displacement. As a result, the system of canonical equations of the displacement method is divided into two independent systems, in one of which only the semitric, and in the other the inverse semitric unknown displacement is involved. With this, it becomes much easier to calculate the Ram. In the calculation of the method of separation of external loads poured into the Semitic frame into the Semitic and reverse Semitic loads, the following two cases are formed.



The first case. Calculation of Semitic load poured Ram. The value of the angles of rotation of the nodes in which the Raman is located semmitrik under the influence of semitric external loads is equal to one, and the signs are inversely opposite. If the semitriya axis of the Raman coincides with the longitudinal axis of the middle column, then the angles and linear displacement of the node lying on the semitriya axis will be zero. These conditions make it possible to calculate the displacement method by replacing the node lying on the semitriya axis of the RAM with a tightened base, while the left or right half of it.

If the semitriya axis of the Raman is compatible with the semitriya axis of the middle Regel, then a) in this case, the turning angles and the bending moments of the mid-regel edge sections will be equal and opposite to each other, that is,,

φa= - φb, Mab= - Mba, or

MEB =4iebφa+2ieb b b+Meb=2iebφa+M from Meb =2iebφa+ Meb

So, if the Semitic load is poured into the ram, the linear bikrlity of the middle Regel is reduced twice by I abtirib it is possible to calculate the half of the Raman, in the second case. Calculation of the reverse Semitic load poured Ram.

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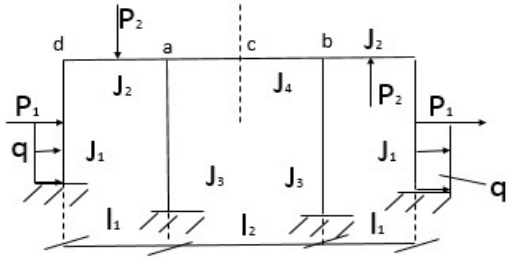
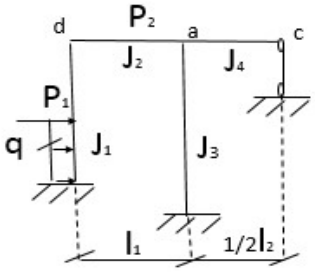
If the semitri axis of the Raman corresponds to the longitudinal axis of the middle column, a) then the values and the signs of the angles of rotation of the nodes located semitriically in relation to the semitri axis will be equal to each other. Accordingly, the bikrity of the middle column can be reduced by two marchtirib calculate its left or right half. The scheme for calculating the system is indicated in.



If the semmitriya axis of the Raman coincides with the semmitriya axis of the middle Regel, then the value and sign of the angle of rotation of the edges of the middle ab Regel are equal to each other, as well as the vertical displacement of the section corresponding to the axis of its semmitriya will be zero. This position allows you to count the left or right part of the frame by placing a base with a removable hinged on the cross section of the middle Regel corresponding to the semmitriya axis.



Literature

1. Karnovsky I.A., Lebed A.I. Advanced Methods of Structural Analysis. Canada.2010.
2. David Johnson Advanced structural mechanics, London, 2000.
3. X.Sh. Turaev and others.Construction mechanics.Tashkent - "Finance" - 2002.
4. Mamurova, F. T., Abdullayeva, N. K., & Mallaboyev, N. (2019). USING THE «ASSESSMENT» METHOD IN ASSESSING STUDENTS KNOWLEDGE. *Theoretical & Applied Science*, (11), 80-83.
5. Mamurova, F. I., & Mustafoev, E. (2021, October). Aksonometrik Proyeksiyalarning Asosiy Teoremasi. Dimmetrik Aksonometriya Qurish. In *" ONLINE-CONFERENCES" PLATFORM* (pp. 100-103).
6. Mamurova, F. I., & ugli Mustafayev, E. I. (2021). SHADOWS IN A PERSPECTIVE BUILDING. *Conferencious Online*, 16-18.
7. Mamurova, F. I., & oglu Akmalov, J. O. (2021). ORGANIZATION OF GEODESIC WORK. STATE GEODESIC NETWORKS. *Conferencious Online*, 21-23.
8. Mamurova, F. I. (2021, May). ARTIST OF UZBEKISTAN MAKSUD SHEIKHZADE. In *E-Conference Globe* (pp. 176-178).
9. Mamurova, F. I. (2021). Factors for Forming the Professional Competence of Building Engineers in the Context of Information Education. *EFFLATOUNIA-Multidisciplinary Journal*, *5*(2).
10. Olimov, S. S., & Mamurova, D. I. (2021). Graphic Information Processing Technology and its Importance. *European Journal of Life Safety and Stability (2660-9630)*, *10*, 1-4.
11. Islomovna M. F. et al. DESIGNING THE METHODICAL SYSTEM OF THE TEACHING PROCESS OF COMPUTER GRAPHICS FOR THE SPECIALTY OF ENGINEER-BUILDER //Journal of Contemporary Issues in Business & Government. – 2021. – Т. 27. – №. 4

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12. Khodjayeva N. S., Mamurova D. I., Nafisa A. IMPORTANCE IN PEDAGOGICAL TECHNIQUES AND EDUCATIONAL ACTIVITY //International Engineering Journal For Research & Development. – 2020. – Т. 5. – №. CONGRESS. – С. 5-5.
13. Мамурова Д. И., Мамурова Ф. И. Соотношения навыков черчения с опытом психологического исследования //Вестник по педагогике и психологии Южной Сибири. – 2015. – №. 1.
14. Mamurova D. I. Application of Advanced Information Technologies of Training at Drafting Lessons //Eastern European Scientific Journal. – 2018. – №. 6.
15. Islamovna M. D., Gulhumor M. PRINCIPLE OF TEACHING DRAFT GEOMETRY AND COMPUTER GRAPHICS //World Bulletin of Social Sciences. – 2020. – Т. 1. – №. 1. – С. 30-31
16. Мамурова Ф. И., Мамурова Д. И. КОМПЬЮТЕР ГРАФИКАСИ ФАНИНИ ЎҚИТИШ ҲОЛАТИ //TULAGANOV AA. – С. 145.
17. Мамурова Д. И. Минарет калян бухары и его орнаментальные ярусы из жженого кирпича //ЯЗЫК И КУЛЬТУРА. – 2016. – С. 222.
18. Mamurova D. I., Xalimova M., Bakhtyorova G. THE IMPORTANCE OF THEIR RHYTHMIC SEQUENCE IN EMBROIDERY TECHNIQUES AND COLOR SELECTION IN EMBROIDERY //International Engineering Journal For Research & Development. – 2021. – Т. 6. – №. ICIPPS21. – С. 5-5.
19. Mamurova F. I., oglu Amirkulov A. F. COORDINATE AND HEIGHT SYSTEMS USED IN GEODESY //Conferencious Online. – 2021. – С. 19-20.
20. MAMUROVA F. I. FACTORS OF FORMATION OF PROFESSIONAL COMPETENCE IN THE CONTEXT OF INFORMATION EDUCATION //THEORETICAL & APPLIED SCIENCE Учредители: Теоретическая и прикладная наука. – 2021. – №. 9. – С. 538-541.
21. Мамурова Ф. И. ЭФФЕКТИВНОСТЬ ФОРМИРОВАНИЯ ПРОФЕССИОНАЛЬНОЙ КОМПЕТЕНТНОСТИ БУДУЩИХ ИНЖЕНЕРОВ-СТРОИТЕЛЕЙ В СОВРЕМЕННЫХ УСЛОВИЯХ //Наука и образование сегодня. – 2021. – №. 4 (63). – С. 92-93.
22. Мамурова Ф. И. РОЛЬ ЗНАЧЕНИЕ И ПРИМЕНЕНИЕ ИНЖЕНЕРНЫХ КОММУНИКАЦИОННЫХ СИСТЕМ В ЗДАНИЯХ И КОНСТРУКЦИЯХ //В научный сборник вошли научные работы, посвященные широкому кругу современных проблем науки и образования, вопросов образовательных технологий 2020.-436 с. – 2020. – С. 414.
23. Олимов, Ш. Ш. (2013). Некоторые вопросы организации урока на основании педагогических технологий. *Молодой ученый*, (5), 752-754.
24. Olimov, S. (2020). The differentiation of education is an important factor of pedagogical technology. *European Journal of Research and Reflection in Educational Sciences*, *8*(11).
25. Олимов, Ш. Ш. (2015). Маънавий-ахлоқий тарбия асослари. (Монография). *T.:"Fan va texnologiya",-2015*, *228*.
26. Olimov, S. (2020). The differentiation of education is an important factor of pedagogical technology. *European Journal of Research and Reflection in Educational Sciences*, *8*(11).
27. Олимов, Ш. Ш. (2013). Некоторые вопросы организации урока на основании педагогических технологий. *Молодой ученый*, (5), 752-754
28. Mardov, Sanjar Xudoykulovich. "Modern Electronic Methods of Controlling Students' Knowledge in the Field of Construction Drawing." *" ONLINE-CONFERENCES" PLATFORM*. 2021.
29. Mardov, S. K., & kizi Farxatova, Z. X. (2022, February). THE PRACTICAL SIGNIFICANCE OF DESIGN AND ITS TYPES. In *Euro-Asia Conferences* (pp. 54-57).
30. Mardov, S. K., & kizi Farxatova, Z. X. (2022, March). DESIGN AND ART. In *Euro-Asia Conferences* (pp. 58-61).
31. Shadieva S. S., Borieva D. I., Rakhimova M. A. The Importance of Agricultural Mapping in Soil Science //EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION. – 2022. – Т. 2. – №. 3. – С. 5-8.
32. Rahimova, M. (2021). The Importance of Agricultural Mapping in Soil Science. *ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu. uz)*, *8*(8).

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