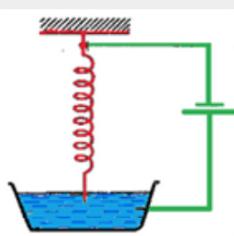


1. Prujina vertikal holda mahkamlangan bo'lib, uning pastki uchi idishdagi suyuq o'tkazgichga tegib turadi. Eektr zanjiridagi prujinaning keyingi holatini tasvirlab bering.



- Prujina qiziydi
- Prujina tebranma harakatlana boshlaydi
- Qisqa tutashuv bo'lib, tok mabai ishdan chiqadi
- Hech qanday hodisa ro'y bermaydi

Oldingi

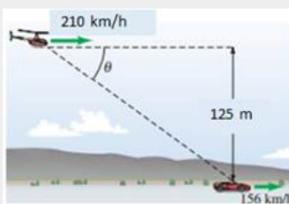
Keyingi

[SINOV TEST]
Fan: Fizika

(Birinchi toifa toifa) - 1591426

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

2. Yerdan 125 m balandlikda gorizontal yo'nalishda 210 km/soat tezlik bilan uchayotgan vertolyot, katta yo'lida 156 km/soat tezlik bilan harakatlanayotgan avtomobilga yukni yetkazishi lozim. Vertolyot yukni mashinadan qanday masofada tashlaganda, yuk to'g'ri mashinaga tushadi? Havoning qarshiligini hisobga olmang.

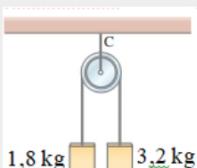


- 75
- 105
- 95
- 68

Oldingi

Keyingi

3. Rasmdag'i sistemaning tezlanishini ($\frac{m}{s^2}$) toping. Blok ishqalanishsiz aylanadi. $g = 10 \frac{m}{s^2}$



- 1,6
- 2,1
- 2,8
- 1,2

Oldingi

Keyingi

Барча фанлардан аттестация саволлари

Ўқитувчилар ва ўқувчилар учун тестлар, мактаб дарсликлари ва қизиқарли мақолалар

«Таълим/Образование» сахифалари:

Telegram - https://t.me/talim_obrazovaniye

Веб сайт - www.idum.uz

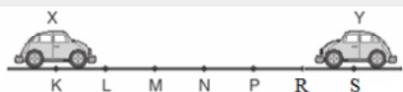
Youtube - https://www.youtube.com/c/talim_obrazovaniye

[SINOV TEST]
Fan: Fizika

(Birinchi toifa toifa) - 1591426

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

4. Rasmda teng bo'lakli yo'lning bir qismi ko'rsatilgan. Harakati K va S nuqtalar orasida o'r ganilayotgan X hamda Y mashinalar bir vaqtida tekis harakat qilib, M nuqtada uch rashadi. Bu ma'lumotlardan foydalaniib, Y mashina tezligi X mashina tezligidan necha marta katta ekanligini toping.



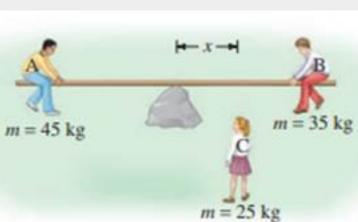
- 1,5 marta
- 2 marta
- 3 marta
- 4 marta

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Oldingi

Keyingi

5. Sistema muvozanatda bo'lishi uchun C qizcha tayanchdan qanday x masofada o'tirishi kerak? A va B bolalar tayanchdan 5 m uzoqlikda o'tiribdi.



- 3,6
- 2,5
- 3
- 2

www.idum.uz

Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

6. Bir jinsli magnit maydonda harakatlanayotgan protonga qachon magnit maydon ta'sir qilmaydi?

- hamma vaqt ta'sir qiladi
- magnit maydonga perpendikulyar yo'nalishda uchib kirdganda
- magnit maydonga parallel yo'nalishda uchib kirdganda
- bir jinsli magnit maydon protonga umuman ta'sir qilmaydi

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

7. Qanday nur linzadan c'tganda sinmaydi?

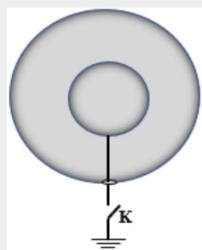
- qizil rangli nur
- linzaning fokal tekisligidan o'tib linzaga kelgan nur
- linzaning optik markaziga tushgan nur
- linzaning fokus nuqtadan o'tib linzaga kelgan nur

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

8. Berilgan ideal gaz $T^V^3 = \text{const}$ qonunga bo'yusunadi. Agar shu gazning hajmi 2 marta kamaysa, uning bosimi qanday o'zgaradi?

- 16 marta ortadi
- 8 marta ortadi
- 8 marta kamayadi
- 16 marta kamayadi

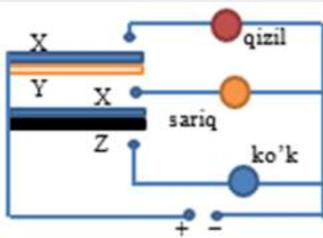
www.idum.uz[Oldingi](#) [Keyingi](#)9. Biri ikkinchisining ichiga kiritilgan metall sferalarning radiuslari mos ravishda $R_1 = 20 \text{ cm}$, $R_2 = 25 \text{ cm}$, zaryadlari esa $q_1 = 8 nC$, $q_2 = 15 nC$ ga teng. Agar kalit ulansa, tashqi sferaning zaryadi qanday o'zgaradi? Sim tashqi sferadan izolyatsiya qilingan.

- qiymati o'zgarmasdan ishorasi o'zgaradi
- ortadi
- o'zgarmaydi
- kamayadi

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

10. Rasmda keltirilgan elektr zanjirida foydalanilayotgan X, Y, Z metal juftliklarining chiziqli kengayish koeffitsentlari orasida $\alpha_Y > \alpha_X > \alpha_Z$ munosabat o'rini. Bunga asosan, quyidagi tasdiqlardan qaysilari to'g'ri bo'lishi mumkin?



I. Sistema turgan muhit isitilsa, qizil va ko'k rangli lampalar yonadi

II. Sistema turgan muhit isitilsa, faqat sariq rangli lampa yonadi

III. Sistema turgan muhit sovitilsa, faqat sariq rangli lampa yonadi

faqat II

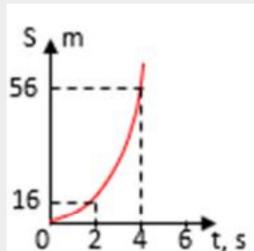
I va III

faqat III

faqat I

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11. Grafikdan foydalanib jismning $t = 3\text{ s}$ da bosib o'tgan yo'lini toping.



24

29

33

42

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

12. Gorizontal otilgan jismning normal tezlanishi qaysi nuqtada eng katta bo'ladi?

yerga tushgan onda

otilgan balandlikning o'rtafiga kelganda

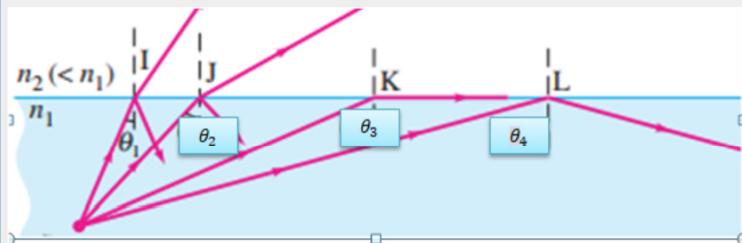
otilgan nuqtasida

trayektoriyaning barcha nuqtasida bir xil

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

13. Rasmdagi qaysi burchak to'la ichki qaytishning chegaraviy burchagi hisoblanadi?

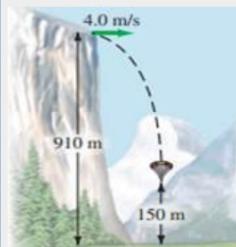


- θ_2
- θ_1
- θ_4
- θ_3

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

14. 1 kg massali jism, rasmda ko'rsatilganidek, $H=910$ m balanlikdan gorizontal 4 m/s boshlang'ich tezlik bilan otilgan. Yerdan 150 m balandlikda jism qanday kinetik energiyaga (kJ) ega bo'ladi?



- 34,9
- 15,2
- 22,5
- 92,1

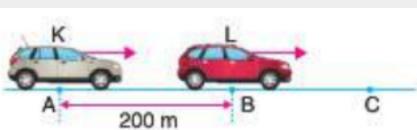
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26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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15. Rasmdagi mashinalar A va B nuqtalarda tinch turibdi. Bu mashinalar bir vaqtda $4 \frac{m}{s^2}$ va $3 \frac{m}{s^2}$ tezlanishlar bilan tekis tezlanuvchan harakatlana boshlab, C nuqtada uchrashishdi. Bunga ko'ra, quyidagi tasdiqlardan qaysilari to'g'ri?

- I. BC masofa 600 m ga teng
- II. K mashina C nuqtaga 20 s da boradi
- III. L mashinaning C nuqtadagi tezligi $80 \frac{m}{s}$ ga teng bo'lgan



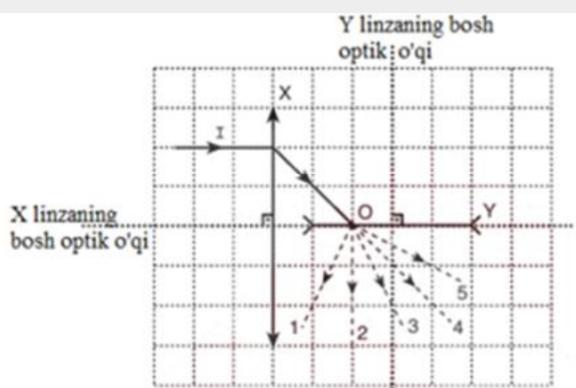
- hammasi
- I va III
- II va III
- I va II

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
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26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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16. Fokus masofalari teng bo'lgan qavariq X linza va botiq Y linzalarning bosh optik o'qlari bir-biriga perpendikulyar joylashgan. X linzaning bosh optic o'qiga parallel tushuvchi / yorug'lik nuri bu linzadan rasmida ko'rsatilganidek singan bo'lsa, bu nur Y linzadan o'tganda qaysi yo'nalish bo'ylab ketadi?

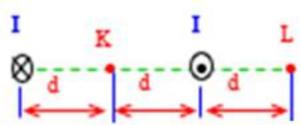


- 3-yo'nalish
- 2-yo'nalish
- 4-yo'nalish
- 1-yo'nalish

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

17. Rasmda parallel toklarning K nuqtadagi magnit maydon induksiyasi $4B$ ga teng bo'lsa, L nuqtadagi magnit maydon induksiyasi nimaga teng?



$\frac{8B}{3}$

B

$\frac{5B}{3}$

$\frac{4B}{3}$

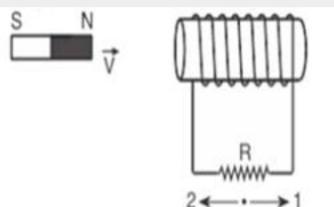
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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40										

18. Rasmdagi doimiy magnit bo'lagi solenoidga o'zgarmas v tezlik bilan yaqinlashmoqda. Bunga asosan, quyidagi tasdiqlardan qaysi biri noto'g'ri?



Solenoidning o'ramlari soni orttirilsa, induksion tok kuchi ortadi

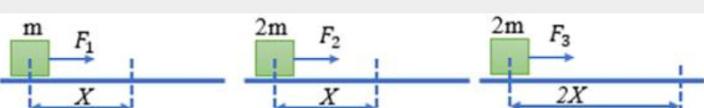
Rezistordan 1 yo'nalishda induksion tok oqadi

R qarshilik orttirilsa, induksion tok kuchi kamayadi

R qarshilik orttirilsa, induksion elektr yurituvchi kuchning qiymati kamayadi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

19. Rasmda tinch turgan va massalari m , $2 m$, $4 m$ bo'lgan jismlar doimiy F_1 , F_2 , F_3 kuchlar ta'sirida X , X va $2X$ masofalarni teng vaqtlar ichida bosib o'tdi. Shu ma'lumotlardan foydalanib, jismalarga ta'sir etgan kuchlarni taqqoslang. Ishqalanishni hisobga olmang.



$F_1 > F_2 > F_3$

$F_3 > F_1 > F_2$

$F_2 > F_3 > F_1$

$F_1 < F_2 < F_3$

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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

20. Matematik mayatnik ipining uzunligi 2 marta ortsa, uning tebranish davri qanday o'zgaradi?

- $\sqrt{2}$ marta ortadi
- $\sqrt{2}$ marta kamayadi
- 2 marta kamayadi
- 2 marta ortadi

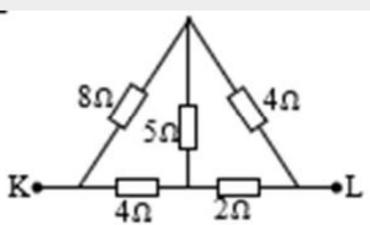
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Oldingi

Keyingi

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28	29	30	31	32	33	34	35	36	37	38	39	40														

21. Keltirilgan elektr zanjiridan foydalanim, K va L nuqtalar orasidagi umumiyl qarshilik necha Ω bo'lislini aniqlang.



23

18

9

4

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

22. 88 gramm karbonat angidrid (CO_2) gazida nechta kislorod atomi bor? Karbonat angidridning molyar massasi $44 \frac{g}{mol}$ ga teng. N_A - Avogadro doimiysi.

N_A

$6N_A$

$0,5N_A$

$4N_A$

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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

23. Yerning qaysi nuqtasida kompasning shimoliy qutbi yerga tik yo'nalgan bo'ladi?

shimoliy kenglikda

magnit ekvatorida

janubiy kenglikda

magnit qutbida

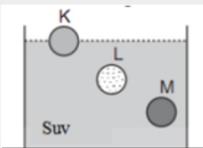
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Oldingi

Keyingi

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28	29	30	31	32	33	34	35	36	37	38	39	40														

24. Teng hajmli K , L , M jismlar suvgaga tushirilganda rasmdagidek vaziyatni egallab, tinch turib qoldi. Bunga asosan quyidagi fikrlardan qaysilari to'g'ri?



I. K jismni zichligi M nikidan katta.

II. L va M jismlarga ta'sir qilayotgan Arxmed kuchlari teng.

III. L jismning massasi M nikidan katta.

IV. K jismning zichligi eng kichik.

- II va III
- II va IV
- faqat II
- I va IV

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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

25. Quyoshning gorizontdan balandligi 46° ni tashkil etadi. Yassi ko'zgudan qaytgan quyosh nurlari yuqoriga vertikal ravishda yo'nalishi uchun uning ko'zguga tushish burchagi qanday bo'lishi kerak?

- 26°
- 22°
- 60°
- 28°

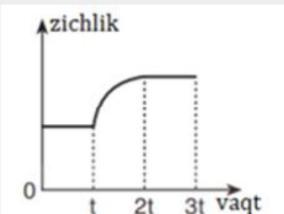
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Oldingi

Keyingi

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28	29	30	31	32	33	34	35	36	37	38	39	40														

26. Bo'sh idish $0 - t$ vaqt oraliqida K jo'mrak bilan, $t - 2t$ vaqt oraliqida L jo'mrak bilan, $2t-3t$ vaqt oraliqida M jo'mrak bilan to'dirilmoqda. Bu vaqt davomida idishda hosil bo'lgan aralashmaning zichlik-vaqt grafigi rasmida ko'sratilgan dek bo'lди. Bunga asosan K , L va M jo'mraklardan oqayotgan suyuqliklarning zichliklari orasidagi munosabatni toping. (Jo'mraklar bir xil bo'lib, ulardan suyuqliklar bir xil tezlik bilan oqadi.)



- $\rho_L > \rho_M < \rho_K$
- $\rho_L < \rho_M > \rho_K$
- $\rho_L > \rho_M > \rho_K$
- $\rho_L < \rho_M < \rho_K$

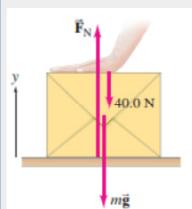
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Oldingi

Keyingi

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28	29	30	31	32	33	34	35	36	37	38	39	40														

27. Rasmdagi F_N kuchning qiymati 170 N ga teng bo'lsa, jism massasini toping?



- 17 kg
- 10 kg
- 13 kg
- 20kg

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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

28. O'zgaruvchan tok zanjiriga ulangan kondensatordagi zaryadning o'zgarish qonunu $q = 2 \cdot 10^{-6} \cos 10\pi t$ ko'rinishida bo'lsa, tok kuchining eng katta qiymati qancha (A)?

- $2\pi \cdot 10^{-6}$
- $2 \cdot 10^{-7}$
- $2\pi \cdot 10^{-7}$
- $2\pi \cdot 10^{-5}$

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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

29. Sinf xonasining o'lchamlari $8 \times 12 \times 3$ m^3 bo'lib, xonadagi absolut namlik $1,25 \frac{g}{m^3}$ ga teng bo'lsa, xonadagi suv bug'i massasini aniqlang (g).

- 300
- 360
- 200
- 280

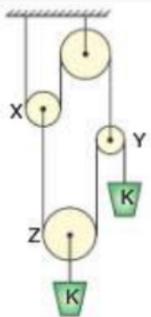
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Oldingi

Keyingi

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39	40														

30. Muvozanatda turgan sistemadagi X blokning massasi 1,6 kg, Y blokning massasi 0,2 kg ga teng bo'lsa, Z blokning massasi qanchaga teng bo'ladi?



- 0,5 kg
- 0,4 kg
- 0,2 kg
- 0,3 kg

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Oldingi

Keyingi

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31. Rasmdagi jismalar uchun keltirilgan xulosalardan qaysilari to'g'ri?

- I. K jismning zichligi L jismnikidan katta
- II. X jismning massasi Y jismnikidan katta
- III. X jismning zichligi Y jismnikidan katta
- IV. K jismning zichligi L jismnikiga teng

- II va IV
- faqat II
- II va III
- I va II

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Oldingi

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32. Harorati 50^0 bo'lgan 2 l suv harorati 5^0 bo'lgan ichi bo'sh idishga solindi. Biroz vaqt o'tgandan keyin bu idishdagи suv harorati 30^0 ga teng bo'lib qolgan bo'lsa, shu idishning issiqlik sig'imi toping (J/kg). (Issiqlik tashqariga chiqib ketmagan deb oling). Suvning solishtirma issiqlik sig'imi

$$4200 \frac{J}{kg \cdot K}$$

- 6720
- 4200
- 5680
- 2298

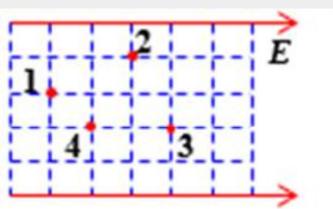
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Oldingi

Keyingi

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33. Rasmda keltirilgan nuqtalar orasida maydon potensiallari farqi ($\Delta\varphi$) uchun qanday munosabat o'rini? E - elektr maydon kuchlanganligi. Katakkalar bir xil kvadratlardan tashkil topgan.



- $\Delta\varphi_{12}=\Delta\varphi_{23}=\Delta\varphi_{43}=\Delta\varphi_{14}$
- $\Delta\varphi_{12}=\Delta\varphi_{43}=2\Delta\varphi_{23}=2\Delta\varphi_{14}$
- $\Delta\varphi_{21}=\Delta\varphi_{13}=\Delta\varphi_{34}$
- $\Delta\varphi_{23}=\Delta\varphi_{14}=2\Delta\varphi_{12}=2\Delta\varphi_{34}$

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Oldingi

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34. Doimiy magnit qizdirilsa, magnit xossalari qanday o'zgaradi?

- ortishi ham kamayishi ham mumkin
- o'zgarmaydi
- kamayadi
- ortadi

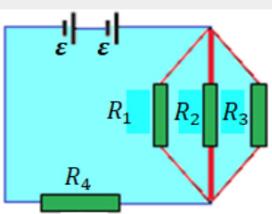
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35. Elektr zanjiridagi $EYuK$ lar $\varepsilon=100$ V dan bo'lib, qarshiliklar $R_1=R_3=40 \Omega$, $R_2=80 \Omega$ va $R_4=34 \Omega$ ga teng. R_2 qarshilikdan o'tayotgan tok kuchini (A) va shu qarshilikdagi kuchlanishni (V) aniqlang.



- 0,8; 64
- 2; 23
- 0,44; 32
- 4; 40

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Oldingi

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36. Temperatura ko'tarilganda suyuqliklarning sirt taranglik koeffitsienti qanday o'zgaradi?

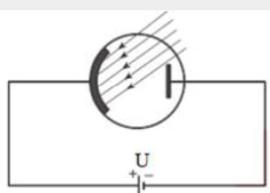
- kamayadi
- o'zgarmaydi
- suyuqlik turiga bog'liq ravishda ortishi ham, kamayishi ham mumkin.
- ortadi

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Oldingi

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37. Fotoelementli zanjirning katodi chastotasi γ , fotonlar soni N bo'lgan yorug'lilik dastasi bilan yoritilganida zanjirdan fototok oqmadni (rasmga q). Manbaning kuchlanishi U ga teng bo'lsa, γ , N va U lardan qaysilari oshirilganda, zanjirdan fototok oqishi mumkin?

- faqat N
- N va γ
- faqat γ
- faqat U

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Oldingi

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38. Asosining yuzasi 500 cm^2 ga teng bo'lgan silindr shaklidagi po'kak suvda suzib yuribdi. Uni yana 8 cm chuqurlikka botirish uchun ustiga qancha massali (g) yuk qo'yish kerak? Po'kak zichligi $0,2 \text{ g/cm}^3$ ga teng.

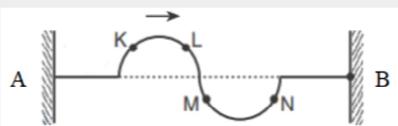
- 4000
- 2000
- 1500
- 1000

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Keyingi

39. A va B devorlar orasidagi tarotilgan arqonda to'lqin biror onda strelka yo'nalishida harakatlanmoqda. Shu onda K, L, M, N nuqtalardan qaysilari yuqoriga tomon harakatlanmoqda?



- L va M
- K va M
- M va N
- K va L

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Oldingi

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40. Optik zichligi 1,7 ga teng bo'lgan shaffof moddadan tayyorlangan linzaning havodagi fokus masofasi F_1 , suvdagi fokus masofasi F_2 va anilindagi fokus masofasi F_3 ga teng. Bu linzaning uch holatdagi fokus masofalari orasidagi to'g'ri munosabatni ko'rsating. Suv va anilinning optik zichliklari mos ravishda 1,3 hamda 1,59 ga teng.

- $F_2 < F_1 < F_3$
- $F_1 = F_2 = F_3$
- $F_1 > F_2 > F_3$
- $F_1 < F_2 < F_3$

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Keyingi

Барча фанлардан аттестация саволлари Ўқитувчилар ва ўқувчилар учун тестлар, мактаб дарсликлари ва қизиқарли мақолалар

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