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Тошкент Ирригация ва Қишлоқ Хўжалигини  
Механизациялаш Мухандислари Институту



**YRB**

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**G V A G I**

GEODEZIYA VA  
GEOINFORMATIKA

*“Замонавий геодезик асбоблар” фанидан*

# **18-мавзу: CorelDraw дастури ёрдамида жой плани ва топографик карталарини расмийлаштириш. CredoDAT дастури ёрдамида трассанинг профилини тузиш**

**Маърузачи: доцент Инамов Азиз Низамович**

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**IAN**

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## Reja.

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1. CorelDRAW dasturi xaqida ma`lumotlar
2. CorelDRAW dasturini yuklab olish va o`rnatish
3. CorelDRAW dasturida ishlash
4. CredoDAT dasturi haqida
5. CredoDAT dasturida ma`lumotlar tahlili
6. CredoDAT dasturida trassaning profilini tuzish

# 1, CorelDRAW dasturi xaqida ma`lumotlar

Corel DRAW dasturi grafik tasvirlarga ishlov berish va tuzatmalar kiritish, vector ko`rinishidagi qatlamlarni yaratish va tuzatish kabi ishlarni amalga oshirishda keng qo`llaniladigan dasturiy ta`minotlar turkumiga kiradi. Mazkur dasturning ilk versiyalarida (tizim tashkilotlariga 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 versiyalari kirib kelgan) ishlab chiqarish tashkilotlarida grafik kartalar chizishda keyinchalik esa kompanovka qilish va kartalarni nashr qilishda foydalanib kelinmoqda.

Dastlab 1, 2, 3, 4, 5, 6, 7, 8, 9- versiyalari ishlab chiqarilgan bo`lib rangli tasvirlarni yaratishda keng qo`llanilgan.





COREL DRAW

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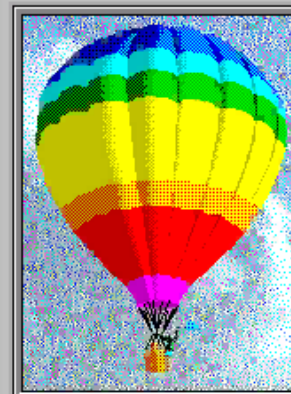
Version 1.10d



*CorelDRAW!*  
Version 2.0

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**CORELDRAW!**

Version 3.0

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**CORELDRAW!**

WORKING MODEL - NOT FOR SALE

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Version 5.0

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About CorelDRAW



CorelDRAW (TM)

Version 6.00.112

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This copy is registered to:  
User  
Serial Number: 2893-4106-5422

Number of Objects: 0  
Number of Groups: 0

Disk Space Free: 195496 KB (C:)



System Info...





## Versión 7

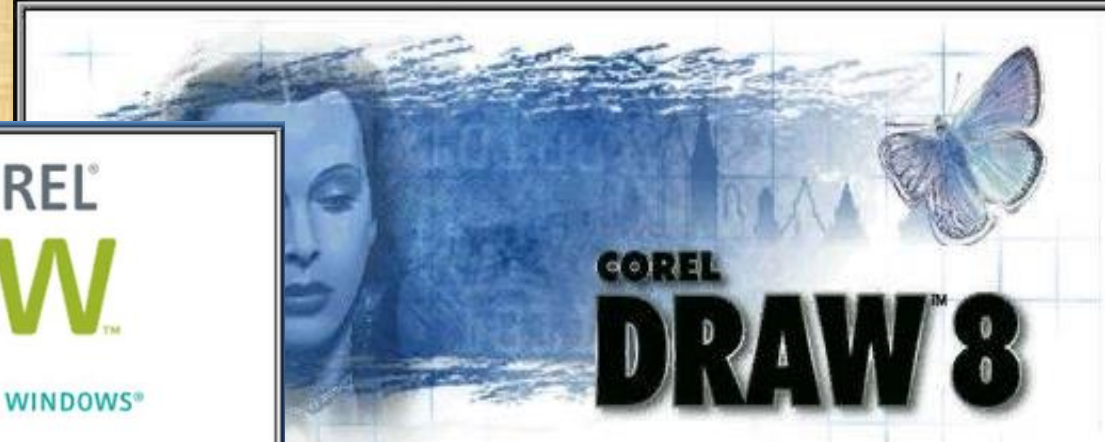
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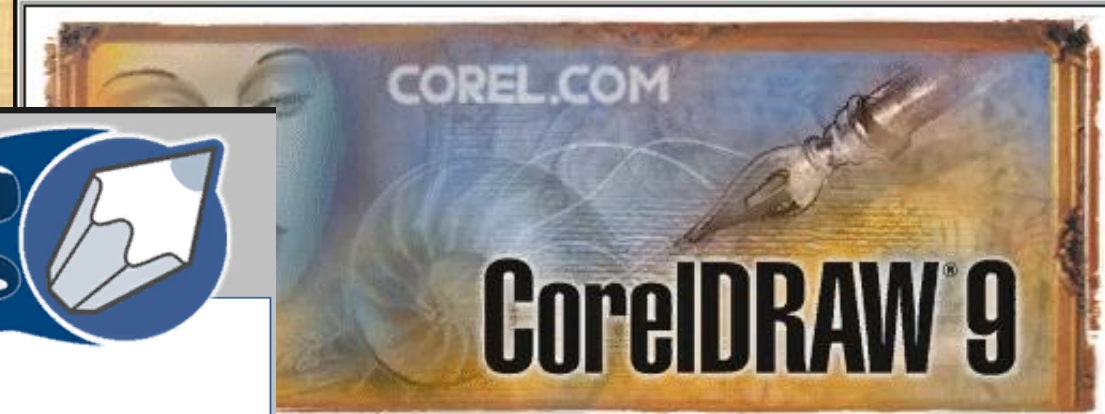


## CorelDRAW™ 12

Verze 12  
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# CorelDRAW<sup>®</sup> X5



# CorelDRAW<sup>®</sup> GRAPHICS SUITE X6



# CorelDRAW<sup>®</sup> Graphics Suite X7

CorelDRAW<sup>®</sup> X8  
Corel<sup>®</sup> PHOTO-PAINT<sup>®</sup> X8  
Corel<sup>®</sup> PowerTRACE<sup>®</sup> X8



# CorelDRAW<sup>®</sup> Graphics Suite X8

Corel<sup>®</sup> CONNECT<sup>®</sup> X8  
Corel<sup>®</sup> Font Manager X8  
Corel<sup>®</sup> Website Creator<sup>®</sup>

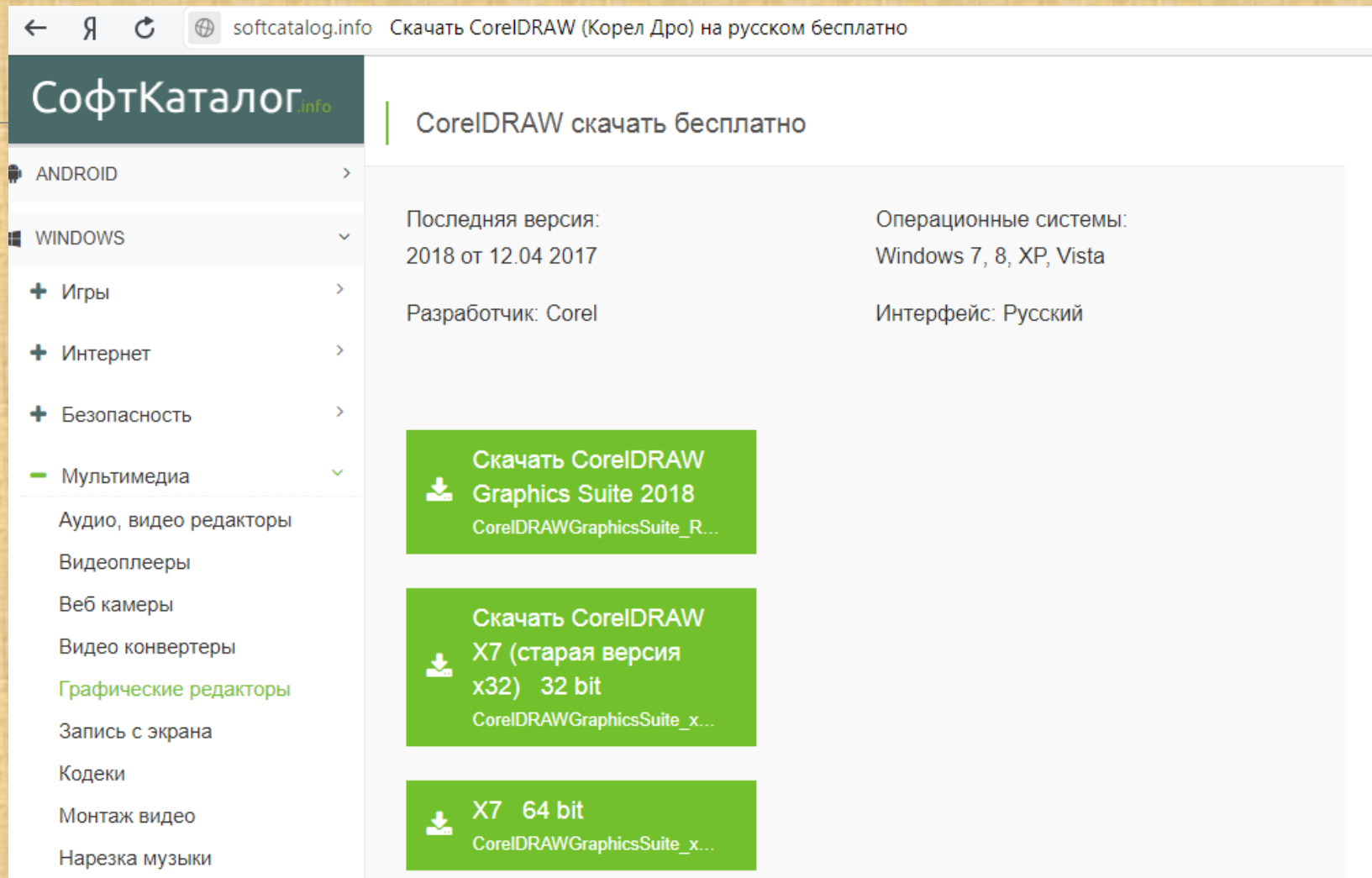


## 2, CorelDRAW dasturini yuklab olish va o`rnatish

Corel DRAW dasturi yuklab olish uchun

<http://softcatalog.info/ru/programmy/coreldraw>

saytiga kiriladi va Скачать CorelDRAW tugmachasi bosiladi. Natijada yuklanish karayoni boshlanadi. Dastur yuklanib bo`lingach o`rnatish ishlari amalga oshiriladi.



The screenshot shows a web browser window with the URL [softcatalog.info](http://softcatalog.info) and the page title "Скачать CorelDRAW (Корел Дро) на русском бесплатно". The website header includes the logo "СофтКаталог.info" and a navigation menu with categories like ANDROID, WINDOWS, Игры, Интернет, and Безопасность. The main content area displays the title "CorelDRAW скачать бесплатно" and provides technical details: "Последняя версия: 2018 от 12.04 2017", "Разработчик: Corel", "Операционные системы: Windows 7, 8, XP, Vista", and "Интерфейс: Русский". Three green download buttons are visible, each with a download icon and the text "Скачать CorelDRAW Graphics Suite 2018" followed by the file name: "CorelDRAWGraphicsSuite\_R...", "CorelDRAWGraphicsSuite\_x...", and "CorelDRAWGraphicsSuite\_x...".



CorelDRAW Graphics Suite X7.17.3.0.772.(Daxshat.Uz)

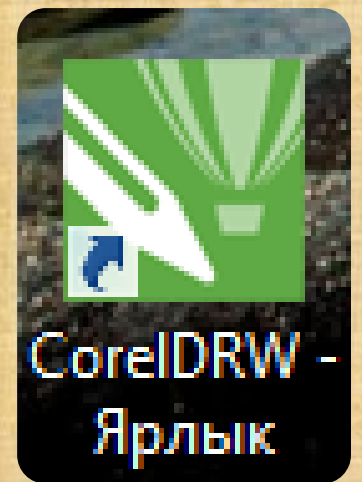


CorelDRAW Graphics Suite 2018 20.1.0.708 RePack by KpoJluK

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Corel DRAW nomi ostida yuklangan faylni ikki marta sichqoncha bilan bosib litsenzion kelishuvlar belgilanadi va kompyuterga dasturni o`rnatish jarayoni boshlanadi. Bu jarayon o`rtacha 10 daqiqani o`z ichiga oladi.

Ish stolida avtomatik tarzda ikonka xosil qiladi va mazkur ikonka yordamida Corel DRAW dasturga kirishimiz mumkin bo`ladi.

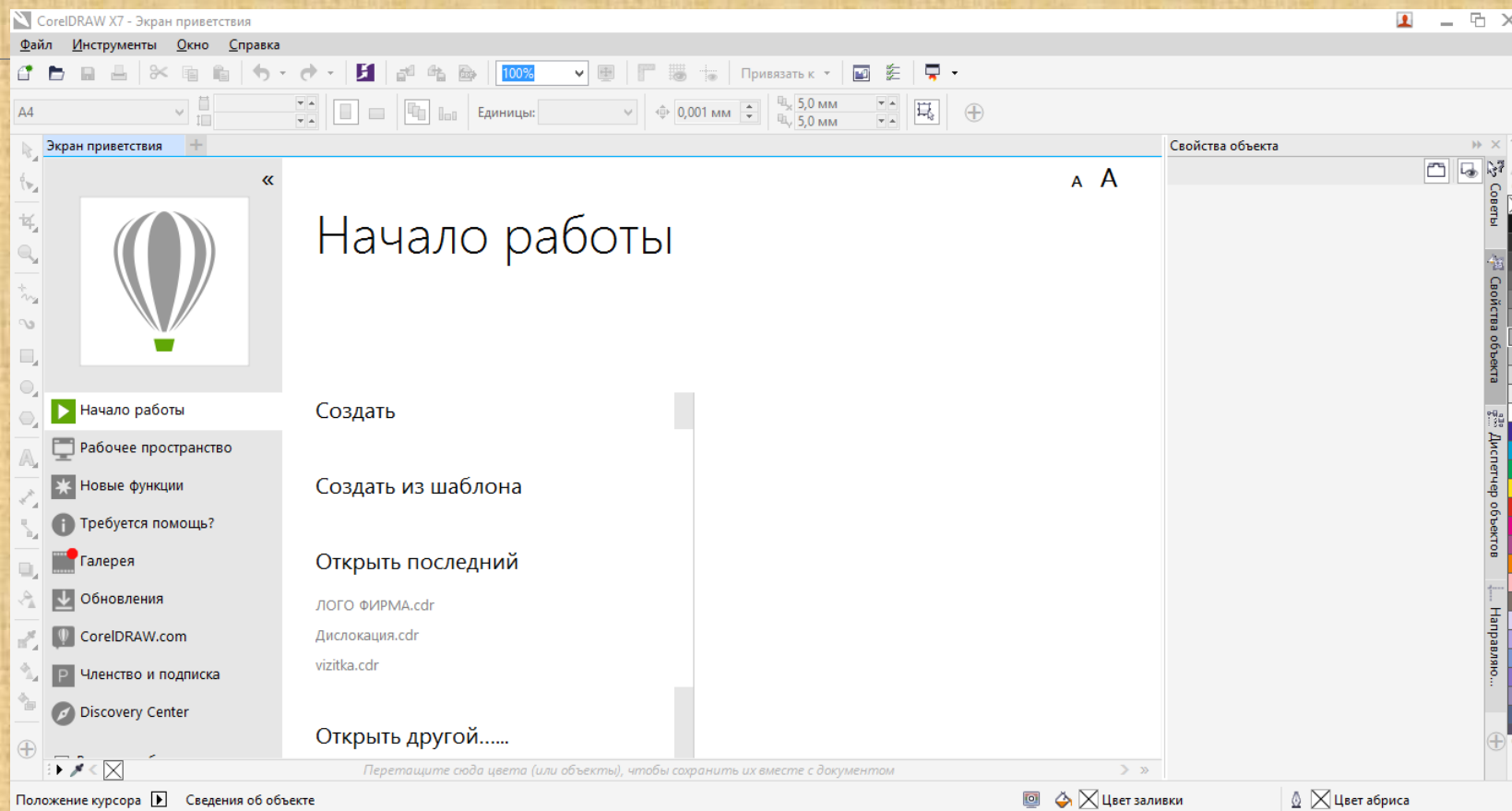


ярлык



## 3, CorelDRAW dasturida ishlash

Corel DRAW dasturi ishga tushirilgach ishni boshlash oynasi hosil bo`ladi. Mazkur oynadan yangi ish boshlash, shablonlarni ochish, oxirgi ishlarni ochish va mavjud bajarilgan boshqa ishlarni izlab ochish buyruqlarini bajarish mumkin bo`ladi.



To'liq integratsiyalangan ilovalar va CorelDRAW® Graphics Suite X7 plaginlari grafik dizaynning har qanday jihatlarida ishlashga imkon beradi: vektor grafikasi va sahifa ketma-ketligini tartibga solish rasmlar, rastr tasvirlarni vektorga aylantirish va veb-saytlarni loyihalash.

Qo`shimcha ravishda, "Выровнять и распределить" o`rnatish oynasi mutaxassislar uchun ajralmas vosita bo`ldi. Tez va oson kirish, vaqtni tejashga mo'ljallangan joylashuvni boshqarish vositalaridan kelib chiqqan holda, grafikalar sohasida ob'ektlar CorelDRAW dasturida yaratiladi, bu imkoniyatlardan keng ko'lamda foydalanish mumkin. Tugunlarni taqsimlash juda oson. Ularning orasida gorizontal yoki vertikal ravishda, chizilgan sahifasini yoki chekka qutisidan foydalanib, teng masofani qo'shishingiz mumkin.



# Tizim talablari

Quyidagi ro'yxatda minimal tizim talablari ko'rsatilgan. Tegmaslik bilan ta'minlash uchun iltimos unutmang

Ishlash, ro'yxatda ko'rsatilganidan ko'ra ko'proq RAM va qattiq disk maydoni talab qiladi.

- Windows 7 ning 32-bit yoki 64-bit versiyasi Service Pack 1, Windows 8.1 yoki Windows 10 bilan

oxirgi xizmat to'plami

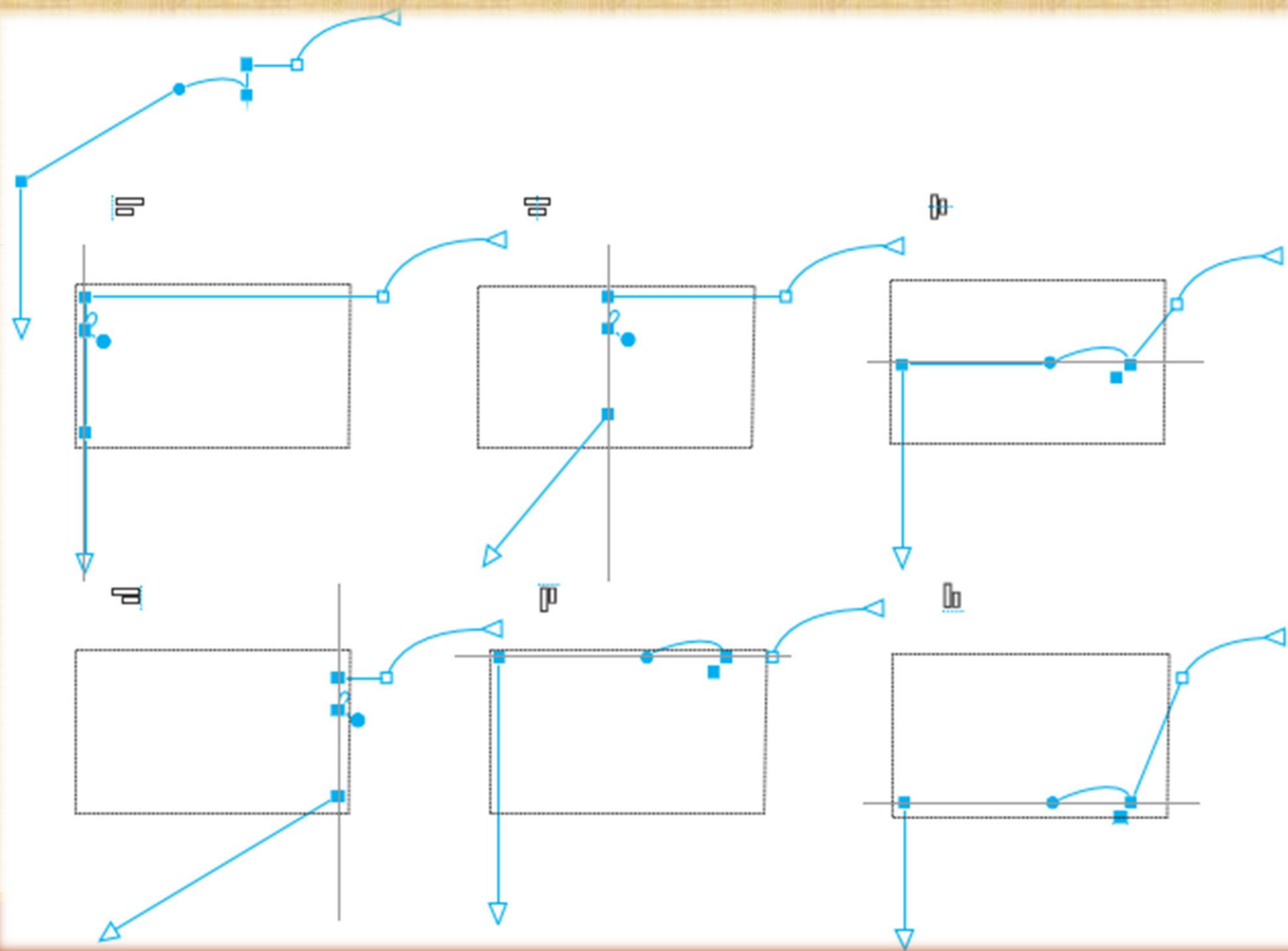
- Intel Core i3 / 5/7 yoki AMD Athlon 64 protsessori
- 2 Gb RAM
- 1 Gb qattiq disk maydoni

Dasturni elektron shaklda yuklab olish uchun ko'proq joy talab etiladi, chunki disk kerak Yuklab olish fayllarini, ochilgan fayllarni va asl nusxalarini o'z ichiga olgan haqiqiy o'rnatish fayllarini joylashtirish fayllar.

# Tizim talablari

- Sichqoncha, planshet yoki ko'p sensorli ekran
  - Ekran o'lchamlari
  - Ekran o'lchamlari 1280 x 720 100% (96 dpi)
  - 1920 x 1080 150%
  - 2560 x 1440 @ 200%
  - DVD drayveri (qutidagi dasturni o'rnatish uchun talab qilinadi)
  - Microsoft .NET Framework 4.6
  - Microsoft Internet Explorer 11 brauzeri (yoki undan keyin)
  - CorelDRAW Graphics Suite-ga kirish va autentifikatsiya qilish uchun ishlash yangiliklarini yuklab oling
- barqarorlik, onlayn kontentga kirish va bir qator komponentlardan foydalanish (masalan, QR kodlari yoki Content Center)
- Internetga ulanish talab etiladi





CorelDRAW Graphics Suite-2018 loyihalarining aktivlari foydalanuvchi bilan qanday munosabatda bo'lish usullari tubdan qayta ishlanadi. To'liq qayta ko'rib chiqilgan tanlov va oshkoralik menyusi dizayni samaradorlikni oshirishga yordam beradi.

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CorelDRAW va Corel PHOTO-PAINT-da to'ldirilgan tarzda shaffoflik effektlari qo'shilgan. Optimallashtirilgan foydalanuvchi interfeysi Shaffoflik va shaffoflik effektlarini tezroq ishlatish, yaratish va topish imkonini beradi. Siz yangi video yuklashingiz mumkin, o'zingizning kutubxonangizni qo'shing, aktivlarning jamg'armasini har qanday joyga o'tkazish uchun qulay va aktivlarning xususiyatlarini o'zgartirish va bularning barchasi bitta paket doirasida jamlanadi. Bundan tashqari, taxalluslarni ko'rish uchun ham foydalanishingiz uchun kompyuteringizdagi boshqa papkaga, USB ga yoki birgalikda tarmoq papkasida kontent saqlangan bo'ladi.





# CredoDAT дастури ёрдамида трассанинг профилини тузиш

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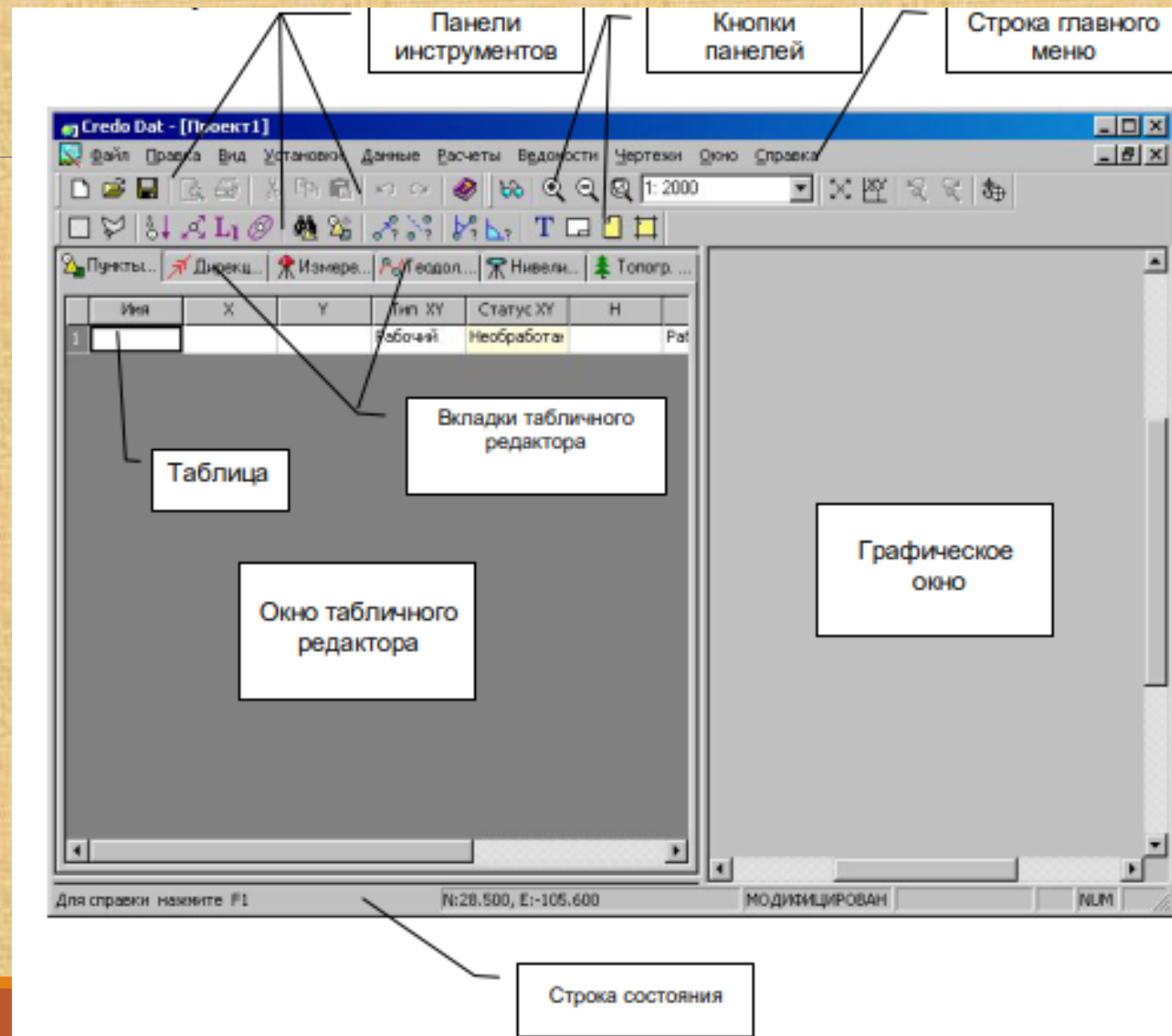
**Reja.**

1



# 1, CredoDAT dasturi haqida

Credo\_Dat 3.0 ilovasi ko'p hujjatlar rejimida ishlaydi. Bu shuni anglatadiki, bitta dastur oynasida bir vaqtning o'zida bir nechta loyiha ochilishi va qayta ishlanishi mumkin.

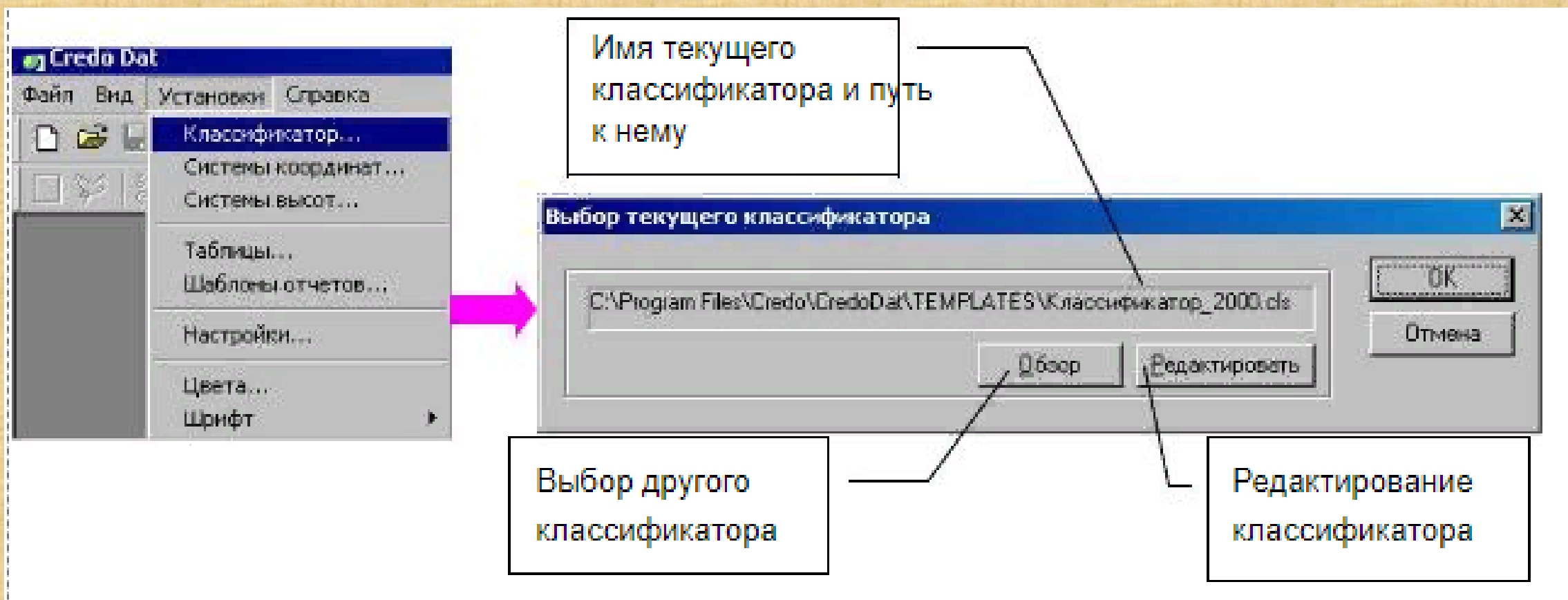


Dastur oynasi quyidagi elementlarni o'z ichiga oladi:

---

- Asosiy menyu (menyu paneli);
- Menyu buyruqlariga tezkor kirish uchun belgilarni o'z ichiga olgan asboblar paneli;
- Faol loyiha oynasining status satri;
- Windows qayta ishlangan loyihalar.
- Credo\_Dat loyiha oynasi :
- Loyiha oynasining o'ng qismini egallagan va ular ustida interfaol harakatlar bajarish uchun loyiha elementlarini aks ettirish uchun mo'ljallangan grafika oynasi,
- Chapda joylashgan va klaviaturadan ma'lumotlarni ko'rish, kiritish va tahrirlash uchun ishlatiladigan jadvallar.

"Classifier.cls" faylini tanlang. Mumkin bo'lmagan sohada siz yangi tasnifning nomi va uning yo'lini ko'rasiz.





## 2, CredoDAT dasturida ma'lumotlar tahlili

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Asosiy tizim ma'lumotlari quyidagilar:

- Yo'nalishning dastlabki koordinatalari va balandligi, yo'nalish burchagi,

Dala o'lchovlari natijalari - masofa, gorizonta

vertikal burchaklar, balandliklar,

- Yo'q qilinadigan topografik ob'ektlar to'g'risidagi ma'lumotlar.

Qo'shimcha ma'lumotlar: ishlatiladigan koordinata tizimlari va ularning parametrlari, tortishish texnologiyasi haqida umumiy ma'lumotlar (birliklar o'lchovlar, vertikal, instrumental tuzatishlarni hisoblash uchun formulalar), atmosfera sharoitlari, o'lchovlarning oldindan aniqligi (klasslari). Raster substratlar shaklidagi kartografik materiallar yordamchi ma'lumotlar sifatida ishlatiladi.

Tizimning ma'lumot manbalari quyidagilardir:

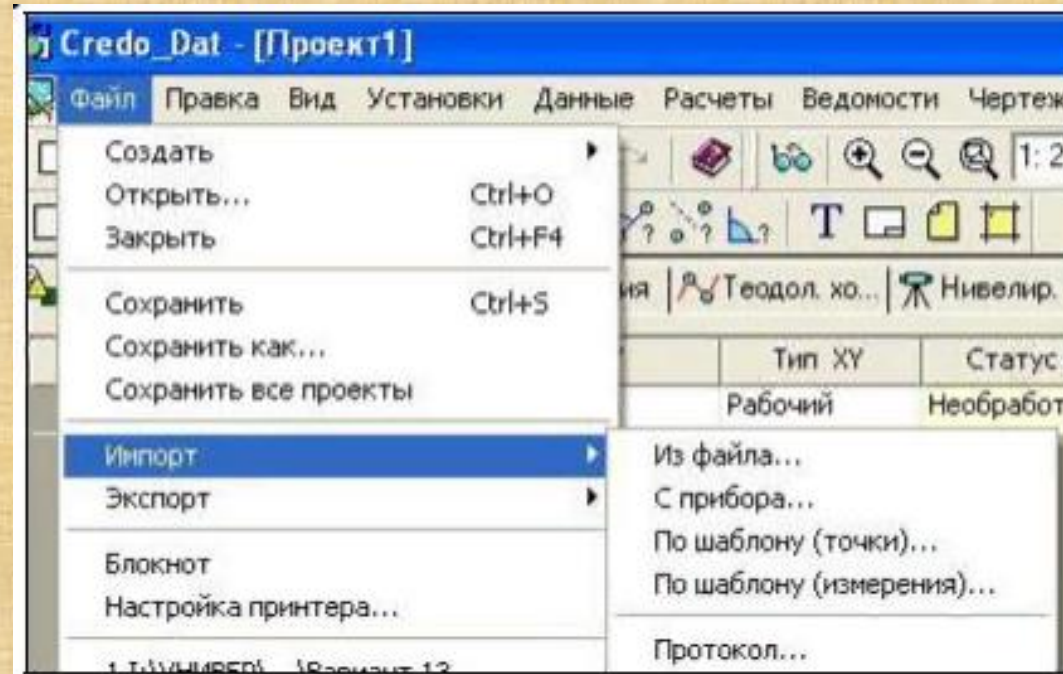
Quyidagi formatlarda elektron taxeometrlar (yozuvchi) fayllari:

- Sokkia (SDR2x/33),
- Nikon (DTM400-710,RDF),
- Geodimeter (ARE, JOB),
- Leica (GRE, GSI, IDEX),
- Topcon (GTS6, GTS7),
- Zeiss (R4, R5, Rec500, Rec-E),
- YOM3 (2Ta5, 3Ta5).

## Ma'lumotlarni import qilish

CREDO\_DAT 3.0 tizimi bir necha turdagi ma'lumotlarni import qilishni nazarda tutadi:

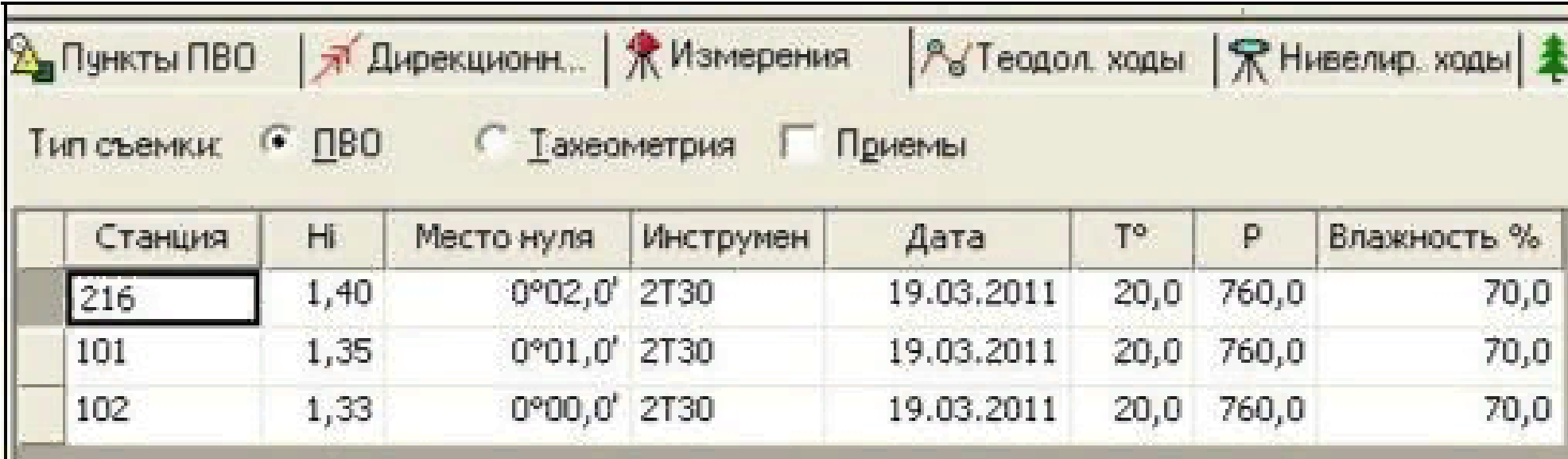
- Umumiy elektron stantsiya formatida o'lchov ma'lumotlariga ega fayllar;
- To'g'ridan to'g'ri o'lchov ma'lumotlarini bevosita instrumentdan import qilish(faqat 3TA5 uchun);
- Foydalanuvchilar tomonidan tuziladigan formatda o'lchash fayllari;
- Foydalanuvchilar tomonidan konfiguratsiya qilinadigan formatga muvofiq ballning koordinatalarini fayllar.





Stantsiya - loyihaning geodeziya tarmog'i (qanday turdagi bo'lishidan qat'iy nazar) har qanday o'lchovlar olingan har qanday nuqtasi. Shu nuqtada bir nechta stantsiya yaratilishi mumkin. Xuddi shu stansiyadan o'lchovlar rejali-balandlik asosli, polar o'lchovlari, umumiy stantsiyalar uchun o'tkazilishi mumkin. Stantsiyalar soni cheklanmagan.

Stantsiya "Data" menyusi / "Jadval" buyrug'i yoki "Baholashlar" yorlig'i bilan "o'lchovlar"....



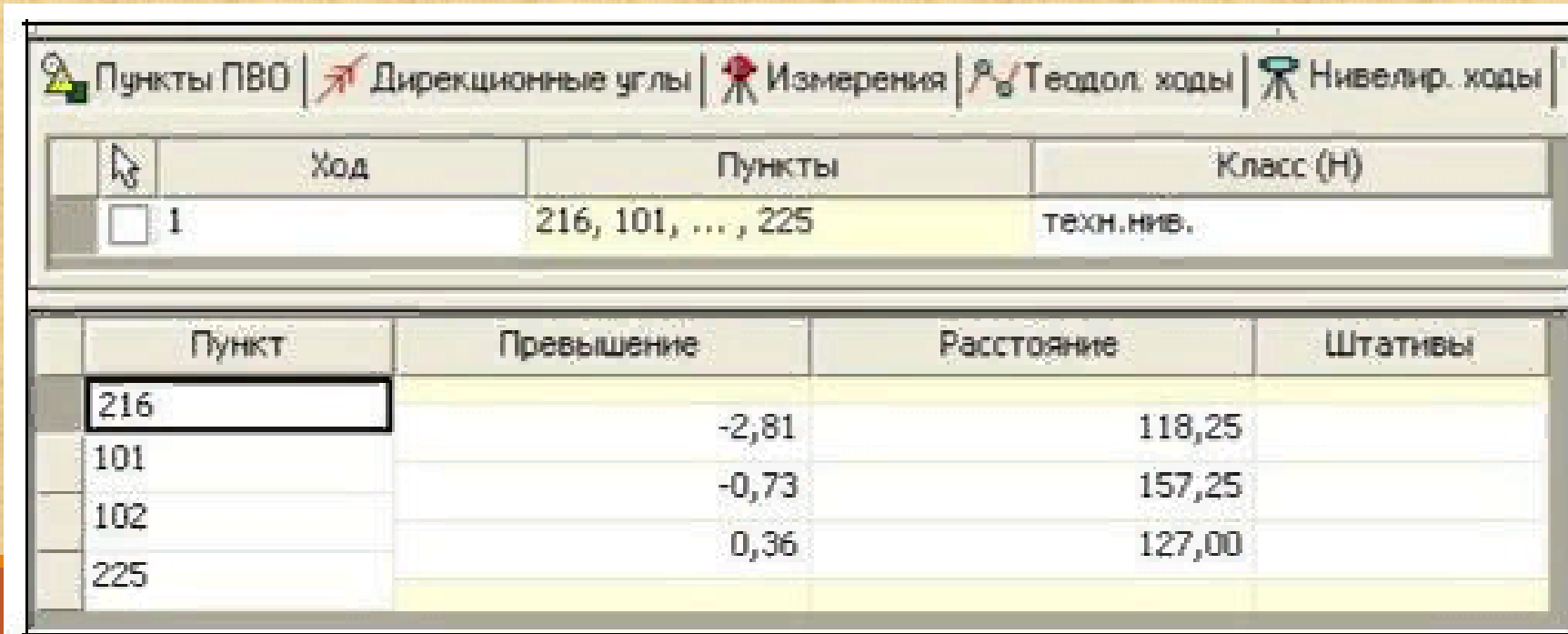
Пункты ПВО | Дирекционн... | Измерения | Теодол. ходы | Нивелир. ходы |

Тип съемки:  ПВО  Тахеометрия  Приемы

Станция	Hi	Место нуля	Инструмен	Дата	T°	P	Влажность %
216	1,40	0°02,0'	2Т30	19.03.2011	20,0	760,0	70,0
101	1,35	0°01,0'	2Т30	19.03.2011	20,0	760,0	70,0
102	1,33	0°00,0'	2Т30	19.03.2011	20,0	760,0	70,0

### 3, CredoDAT dasturida trassaning profilini tuzish

Klaviaturadan kirish va geometrik nivelirlash harakatlarini tahrirlash "Rendering" stolida amalga oshiriladi. Jadval ikkita qismdan iborat: yuqori - harakatning tavsifi (sarlavhalari) va pastki qismi - har bir harakat uchun ma'lumot taqdim etadi. Harakatlardagi harakat yoki nuqtalar soni cheklanmagan. Jadvalda sarlavhani yaratish uchun "Data" / "Rendering" da "Jadval" buyrug'ini chaqiring yoki «Nivelirlash» yorlig'ini tanlang.

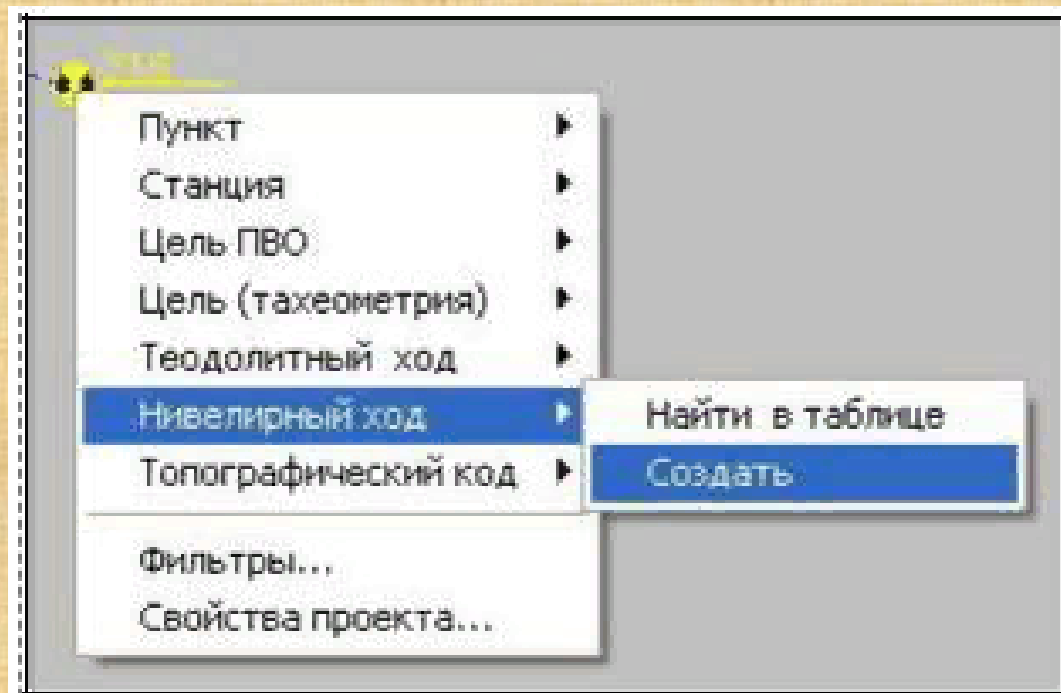


The screenshot shows the CredoDAT software interface. At the top, there is a menu bar with icons and labels: "Пункты ПВО", "Дирекционные углы", "Измерения", "Теодол. ходы", and "Нивелир. ходы". Below the menu bar is a table with three columns: "Ход", "Пункты", and "Класс (Н)". The first row of this table has a checkbox, the number "1", the text "216, 101, ..., 225", and "техн. нив.". Below this is another table with four columns: "Пункт", "Превышение", "Расстояние", and "Штативы". The data in this table is as follows:

Пункт	Превышение	Расстояние	Штативы
216	-2,81	118,25	
101	-0,73	157,25	
102	0,36	127,00	
225			

## Grafika oynasida yaratish uchun:

1. Harakatning boshlanish nuqtasiga kursorni "Rasmga tushirish" rejimiga o'tkazing va o'ng sichqoncha tugmasini bosing.
2. Kontekstli rejimdan "Muvaffaqiyatli harakatlanish" dan "Yarat" buyrug'ini tanlang.
3. Standart kurs tavsifini tahrirlang va klaviatura yordamida ma'lumotlarni kiritishni davom eting.





Har bir burilish quyidagi parametrlar bilan tavsiflanadi:

- "Ko'chirish" - bu ko'chirish raqami. Raqamlarni ko'chirish faqat raqamli bo'lishi mumkin. Raqamlar tahrirlangan.
- "Punktlar" ushbu harakatdan foydalaniladigan elementlarning ro'yxatini o'z ichiga olgan o'zgartirilmaydigan maydondir. Ushbu ustundagi ma'lumotlar avtomatik ravishda shu darajadagi taglikdan to'ldiriladi.
- "Sinf (H)" - ushbu kursda sinchkovlik aniqligini sinash (daraja, guruh) ("Loyihaning xususiyatlari" / "Aniqligi" ga qarang). Sinf (H) ochiladigan ro'yxatdan <bo'sh joy> tugmachasini bosib yoki sichqonchani ikki marta bosish orqali tanlanadi.

Пункт	Превышение	Расстояние	Штативы
216	-2,81	118,25	
101	-0,73	157,25	
102	0,36	127,00	
225			



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**ЭТИБОРИНГИЗ УЧУН РАХМАТ!**