

**O'ZBEKISTON RESPUBLIKASI  
OLIV TA'LIM FAN VA INNOVATSIYALAR VAZIRLIGI**

**TOSHKENT IRRIGATSIYA VA QISHLOQ XO'JALIGINI  
MEXANIZATSIYALASH MUHANDISLARI INSTITUTI" MILLIY TADQIQOT  
UNIVERSITETI**

**“Gidrotexnika qurilishi” fakulteti  
“Muhandislik grafikasi va dizayn nazariyasi” kafedrası**

*Mavzu:* Tekisliklarning chizmalarda berilishi

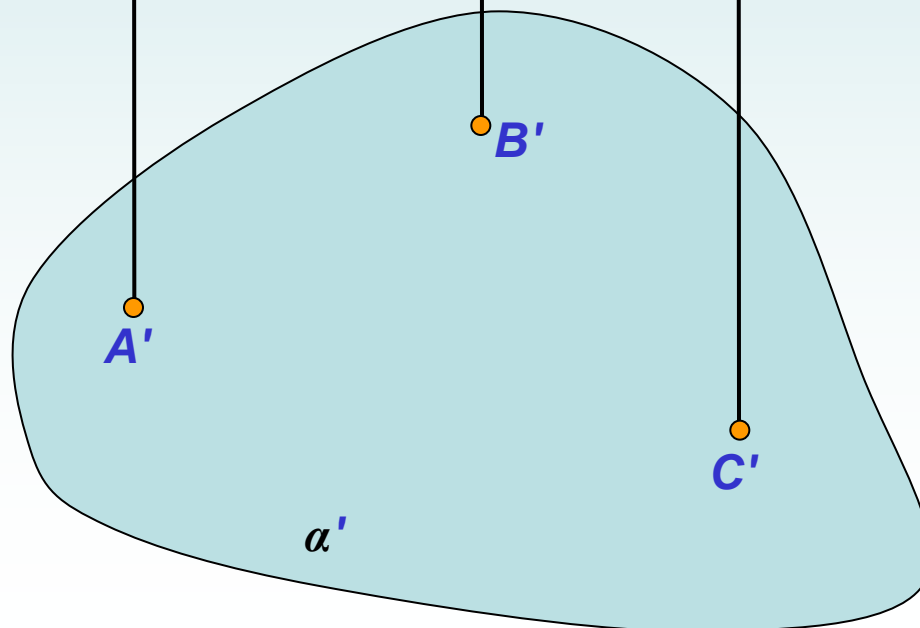
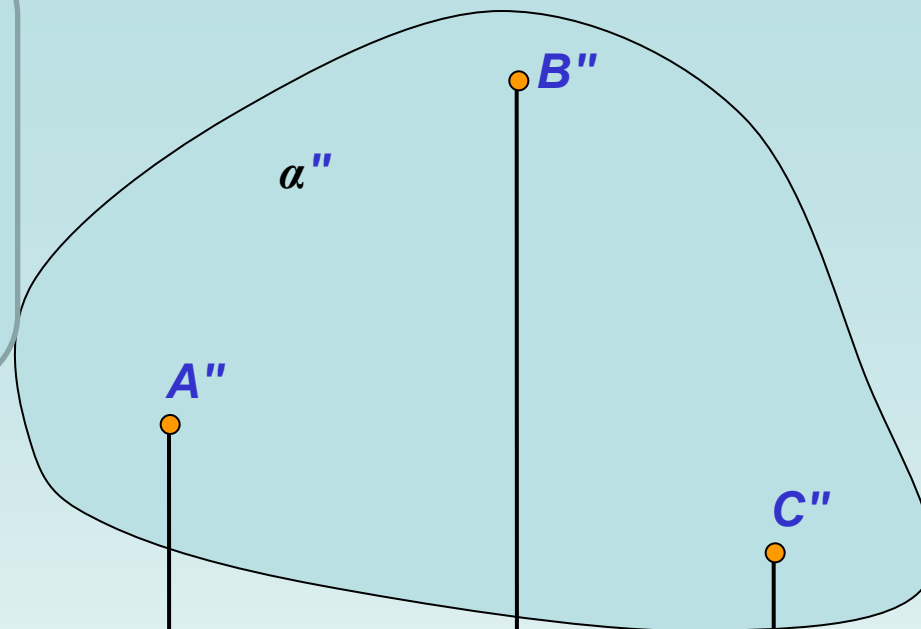
Ma'ruzachi, PhD

J.A.Qosimov

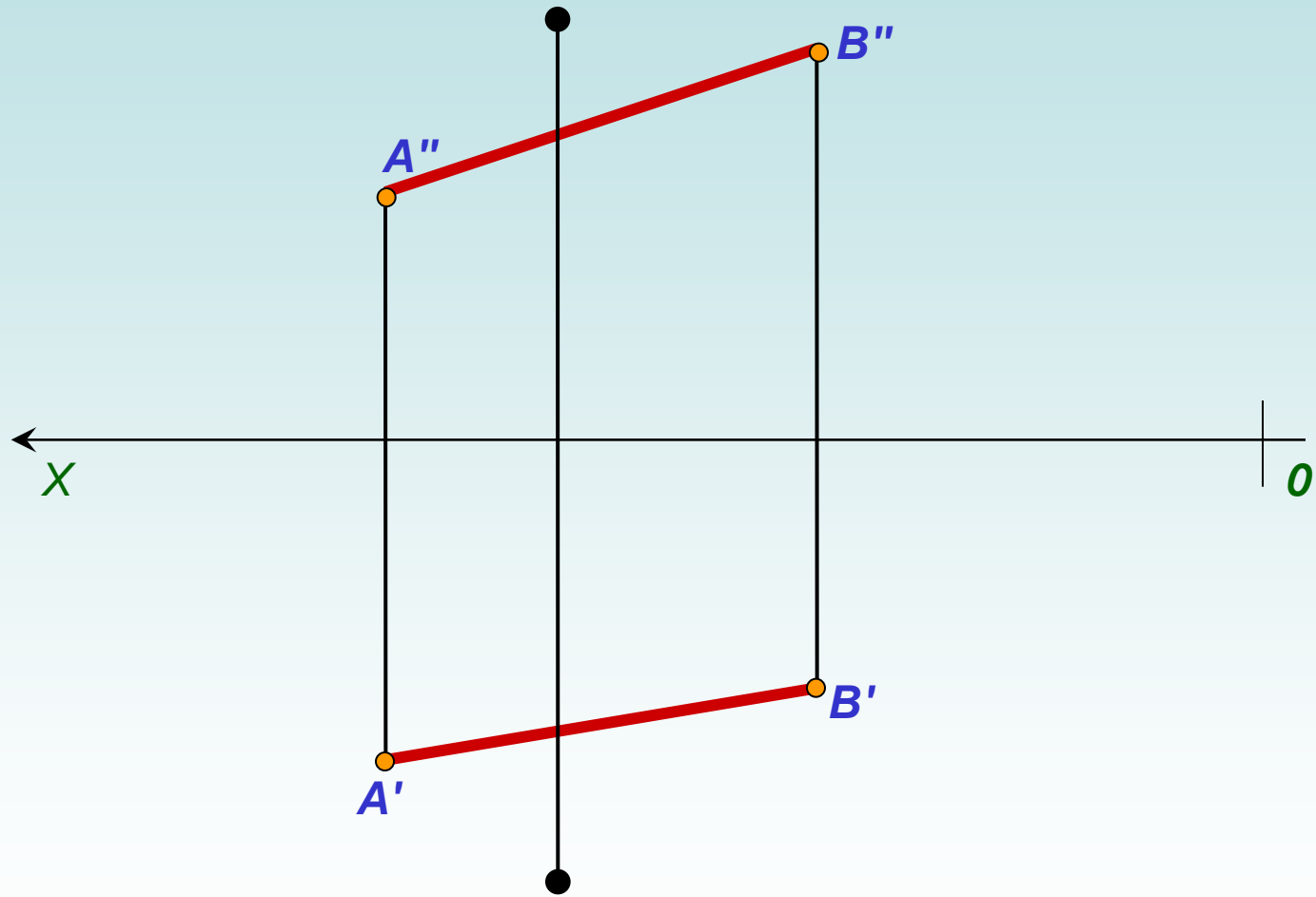
# **Mavzu: Tekisliklarning chizmalarda berilishi**

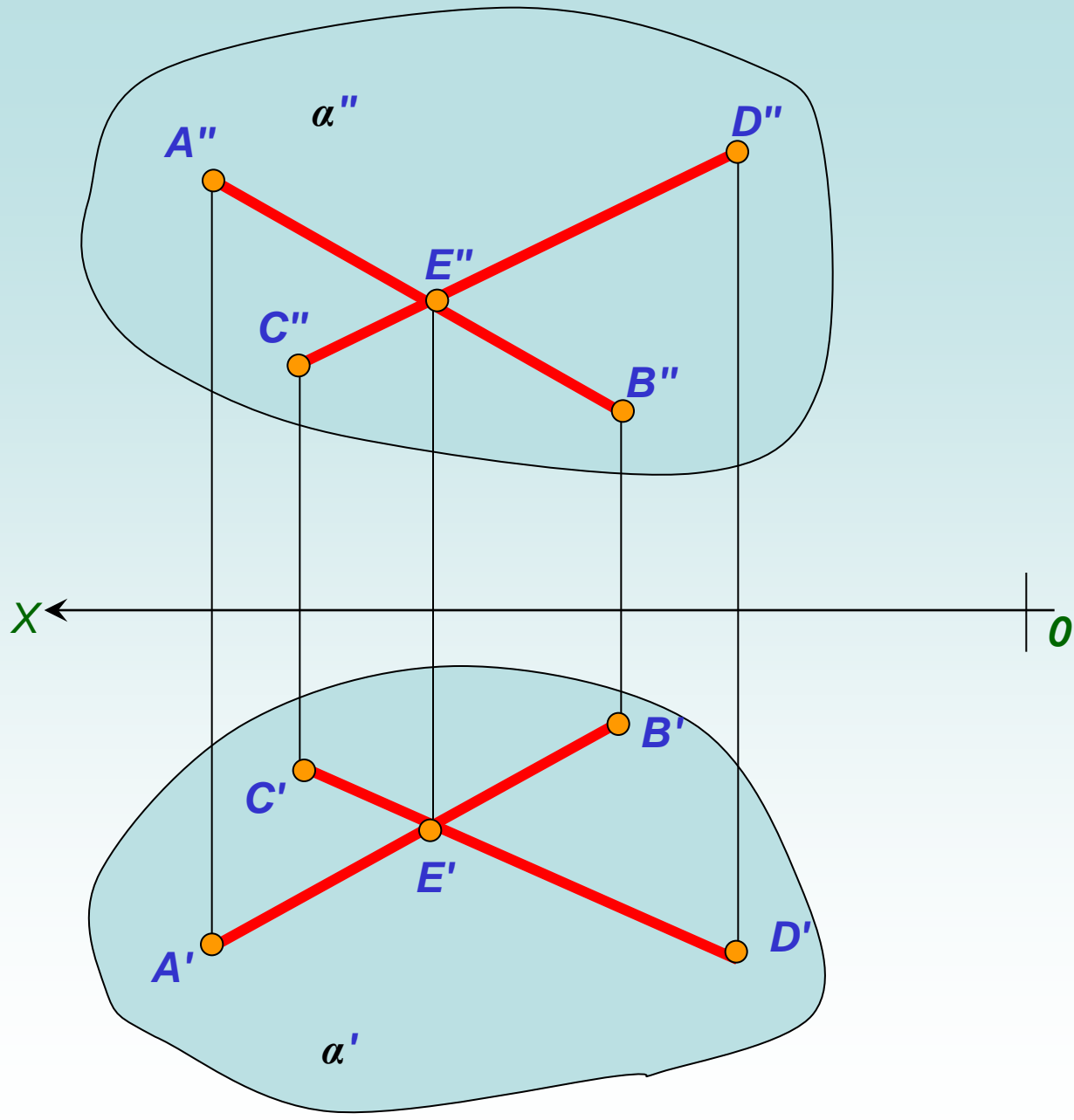
- 3.1. Tekislikning chizmada berilishi.
- 3.2. Tekislik izlarini yasash.
- 3.3. Tekislikning asosiy chiziqlari.
- 3.4. Tekislikning proyeksiyalar tekisliklariga nisbatan vaziyatlari.

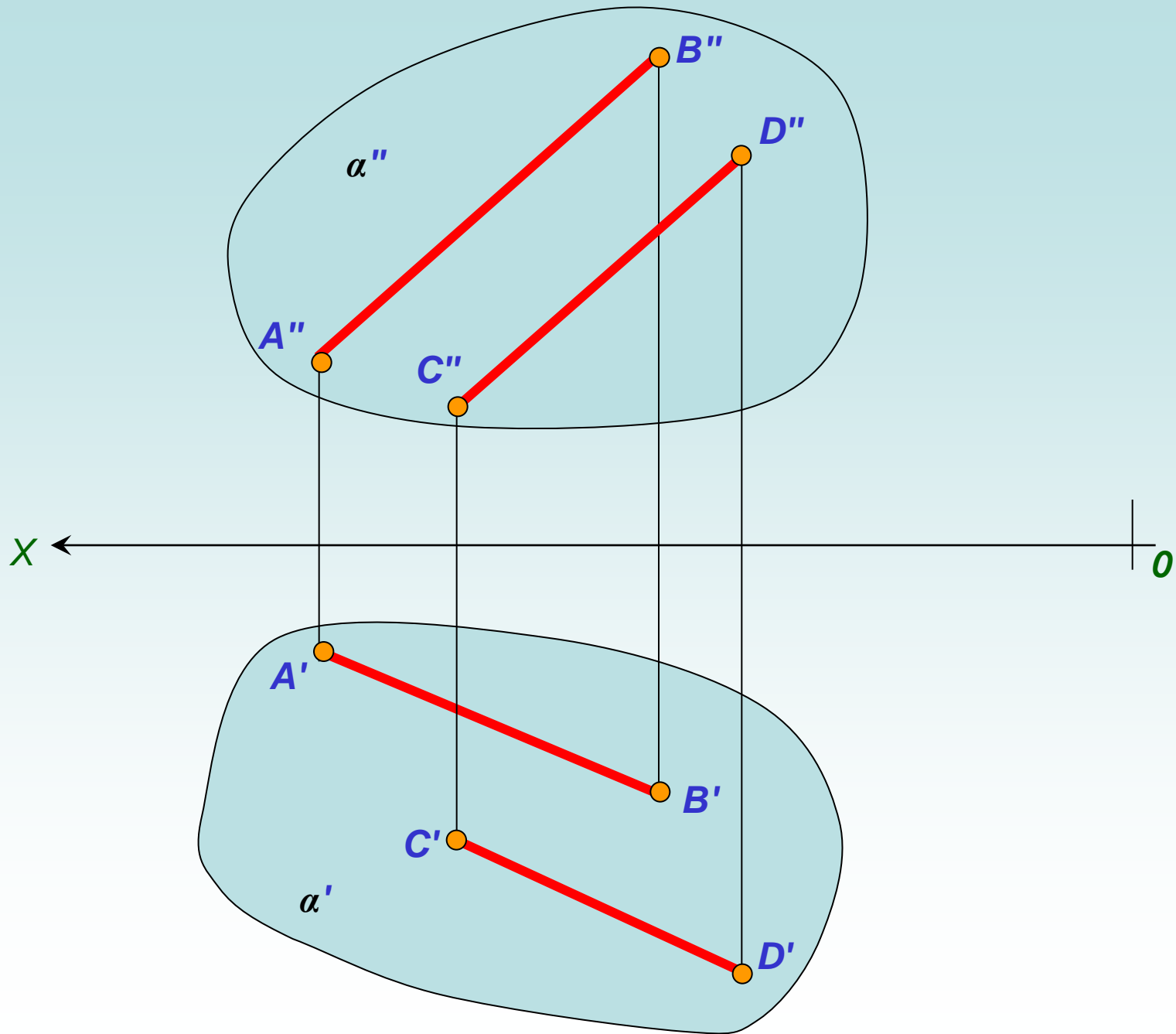
Ikki nuqta va undan teng uzoqlikda yotgan nuqtalar to'plamiga tekislik deb aytiladi.



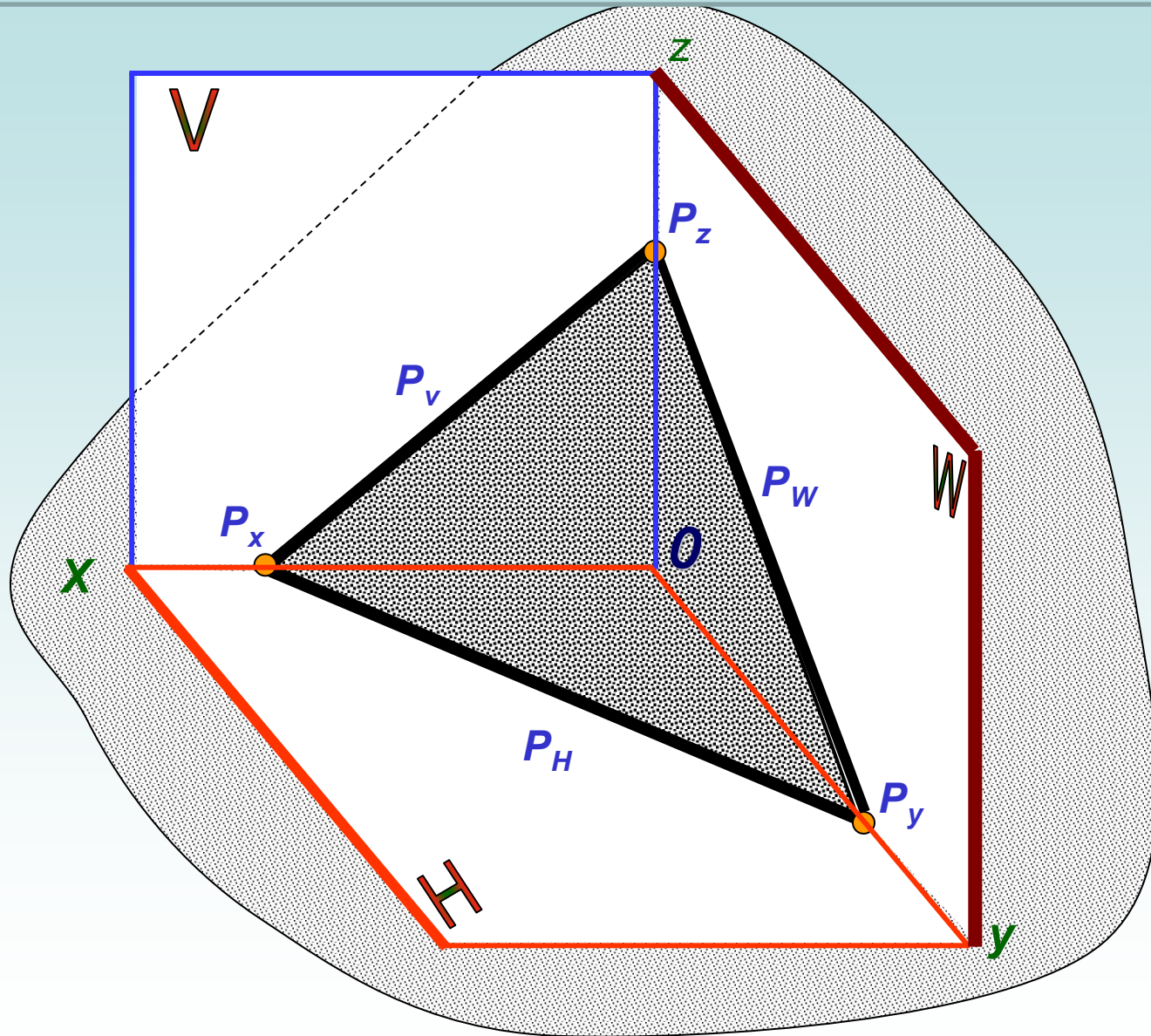
Fazoda 4 ta usul bilan tekislik o'tkazish mumkin

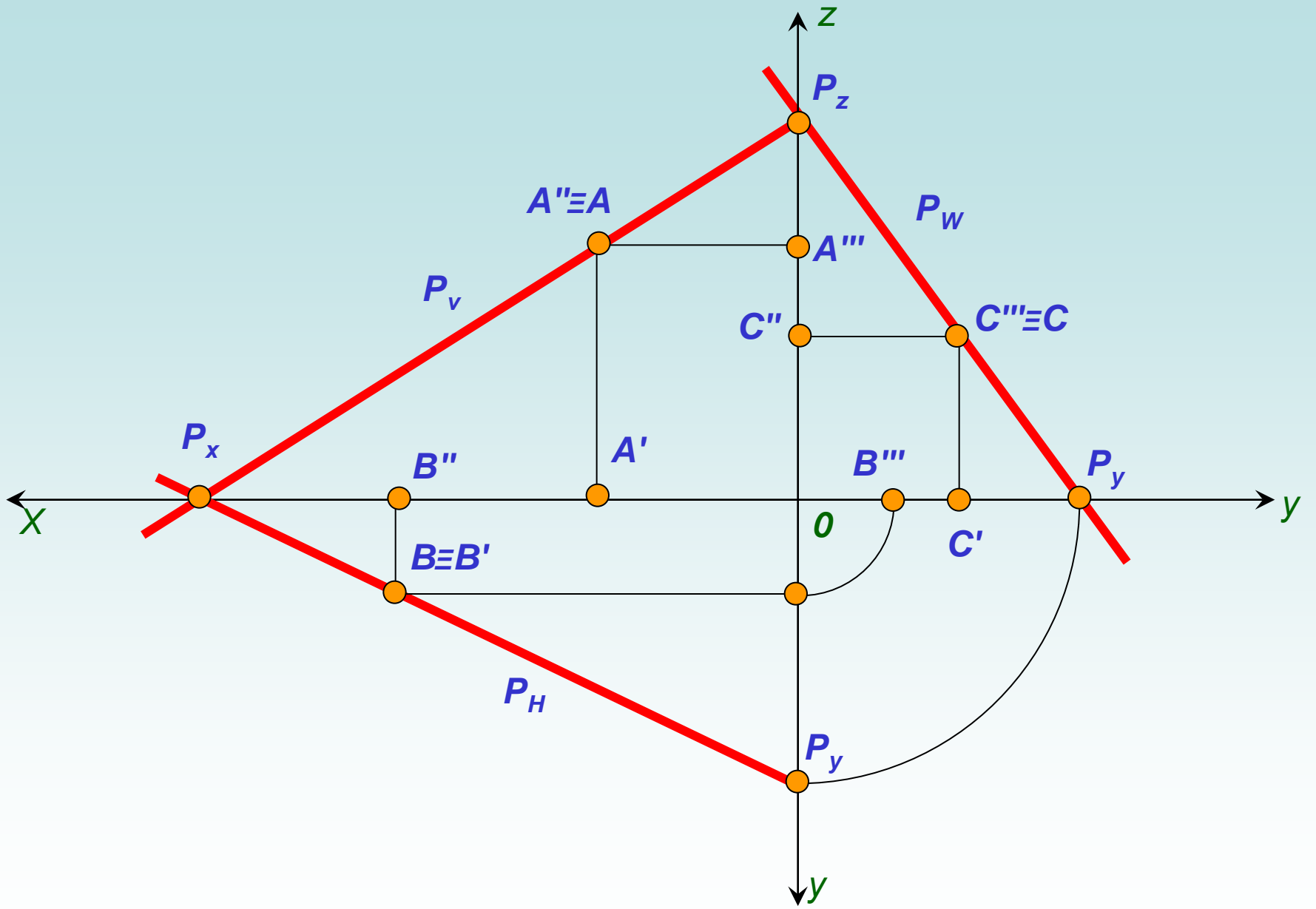






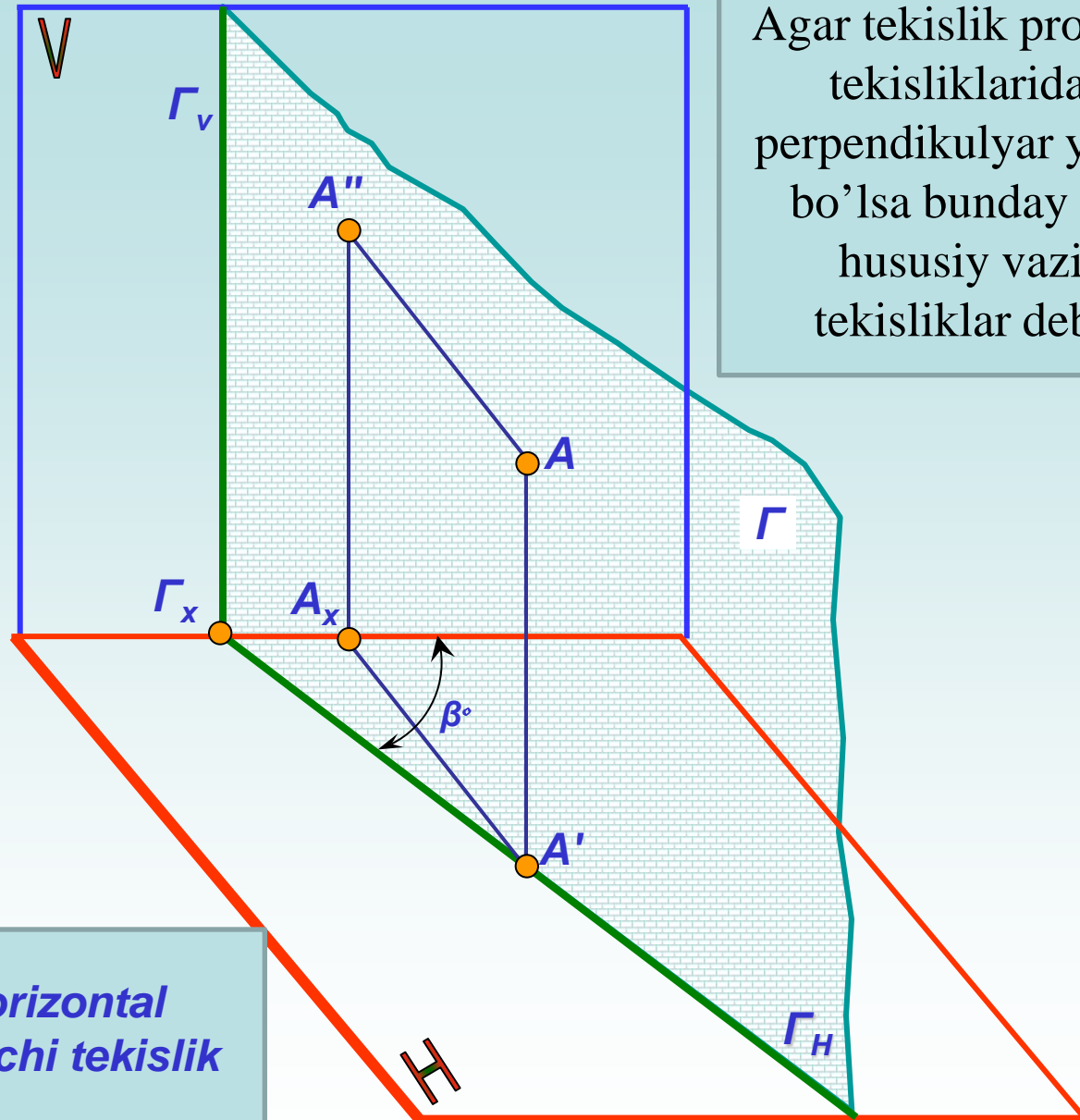
Agar tekislik uchchala proyeksiyalash tekisliklariga H,V,W og'ma bo'lsa bunday tekislik umumiy vaziyatdagi tekislik deb aytiladi



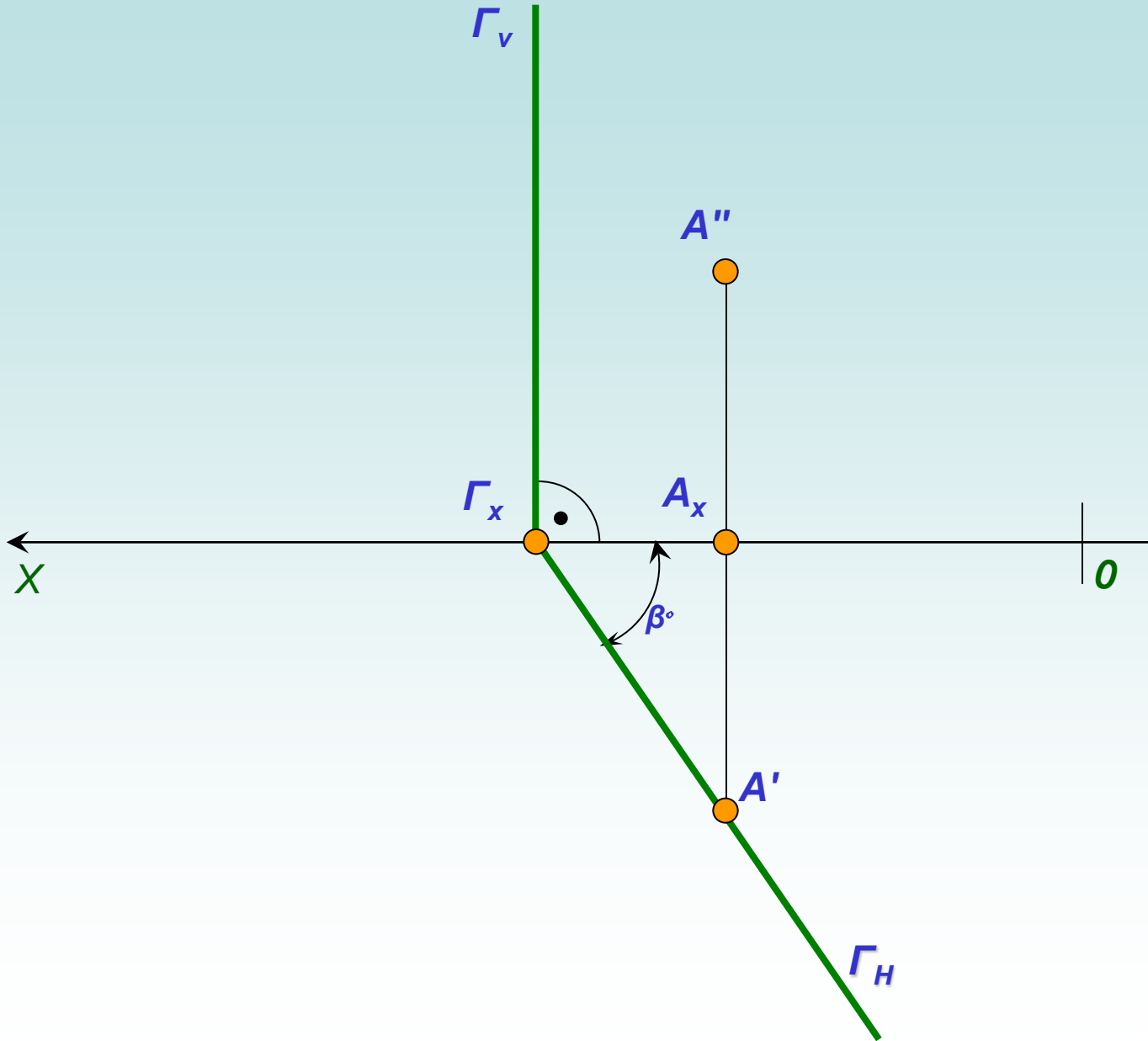


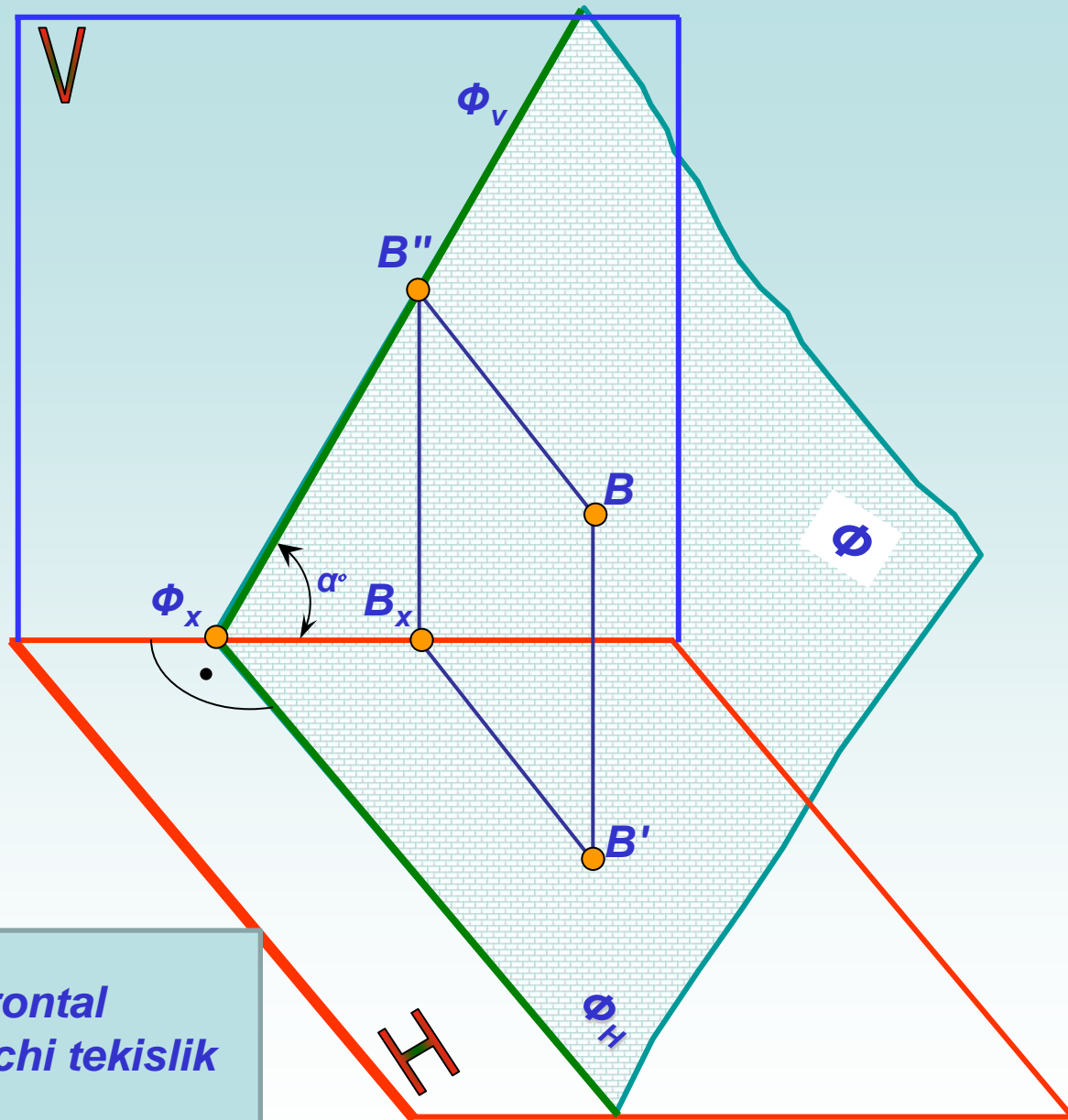


Agar tekislik proyeksiyalash tekisliklaridan biriga perpendikulyar yoki parallel bo'lsa bunday tekisliklar hususiy vaziyatdagi tekisliklar deb aytiladi

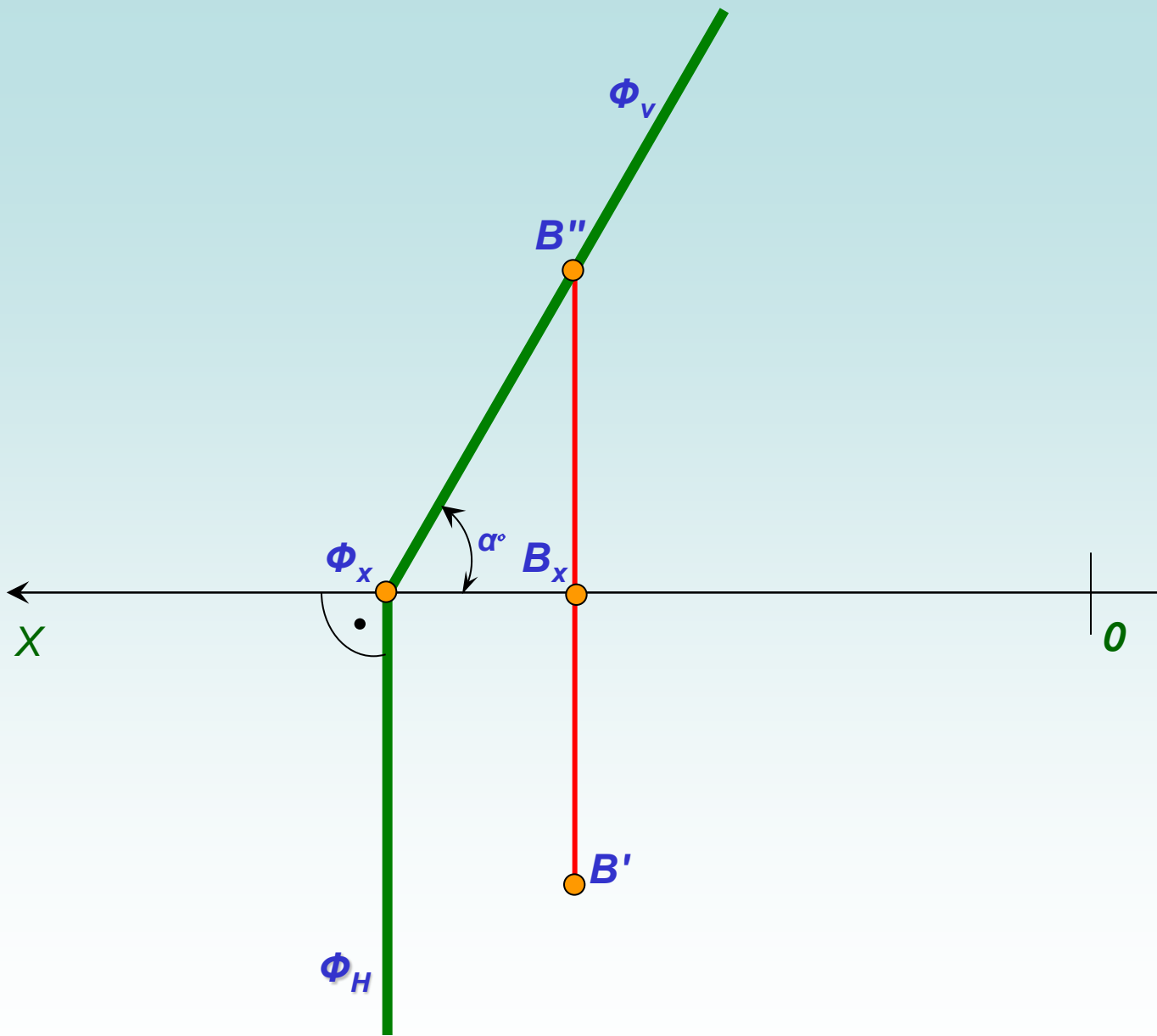


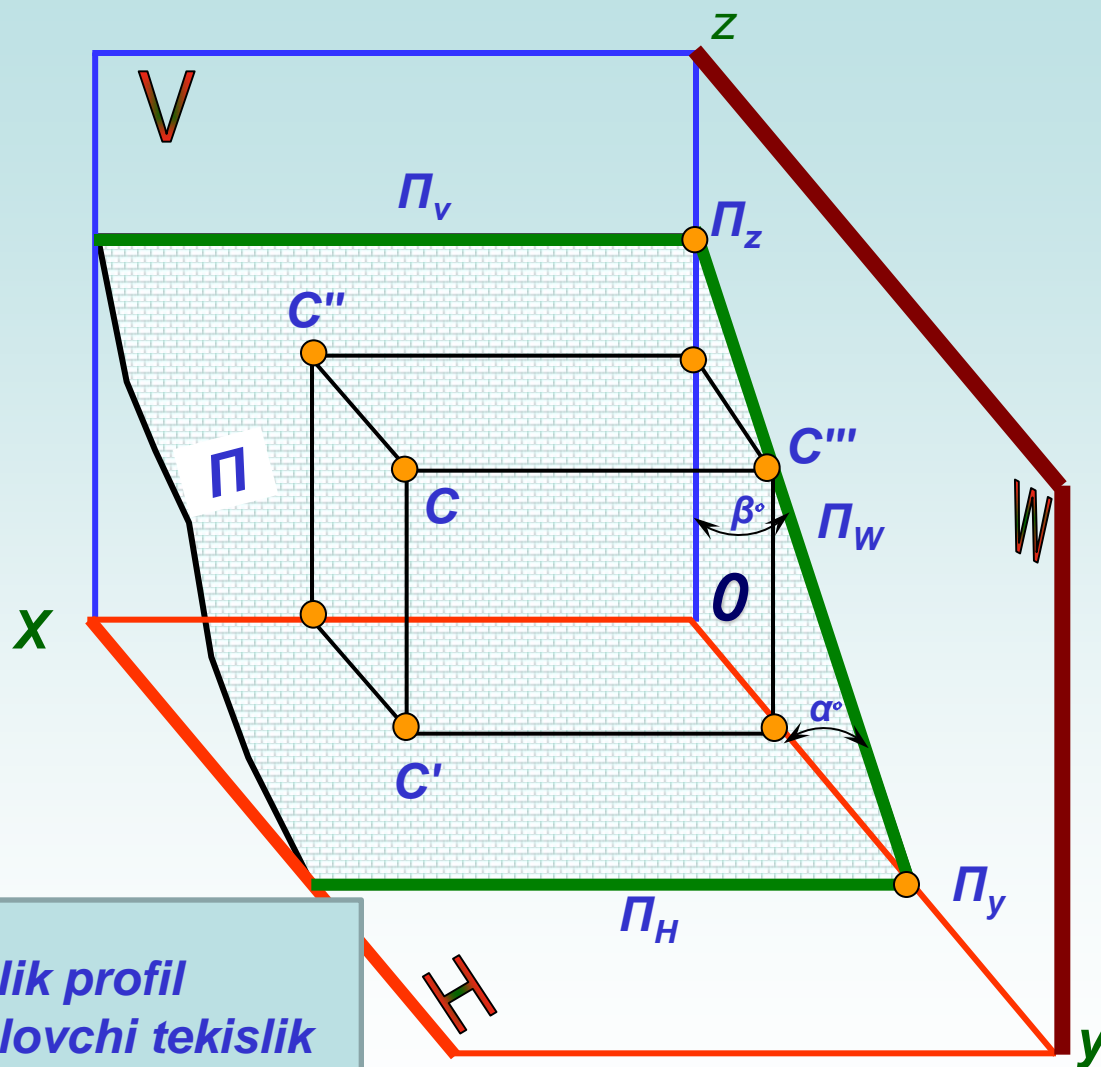
$\Gamma$  tekislik gorizontaal proyeksiyalovchi tekislik



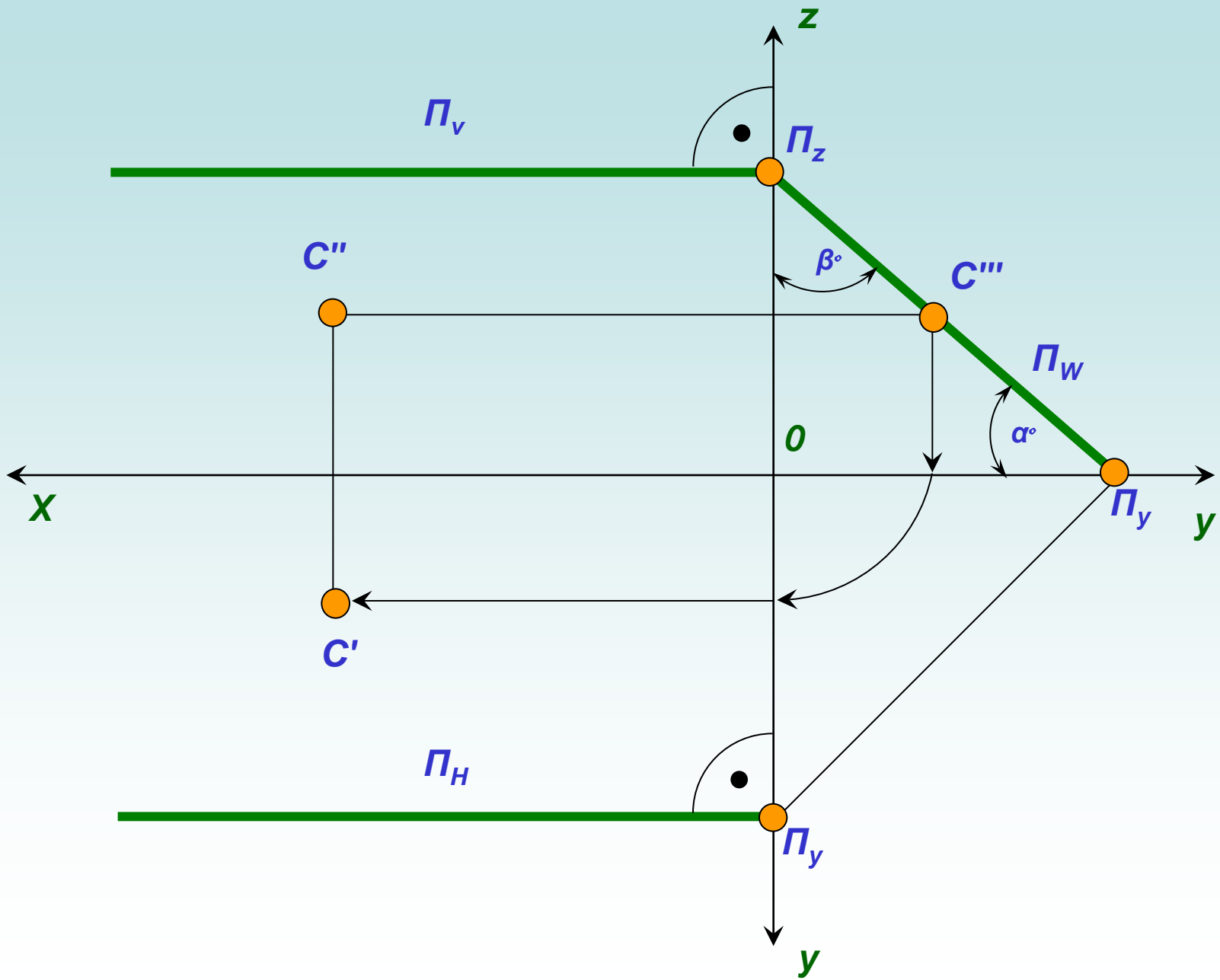


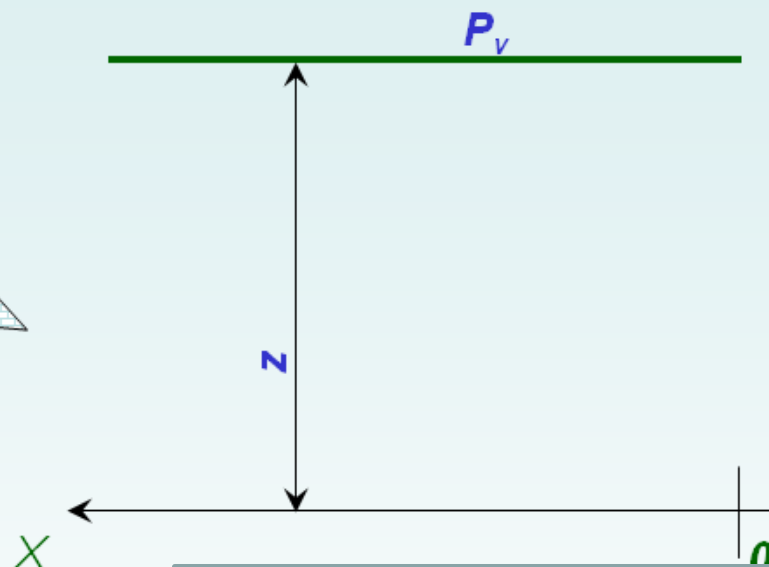
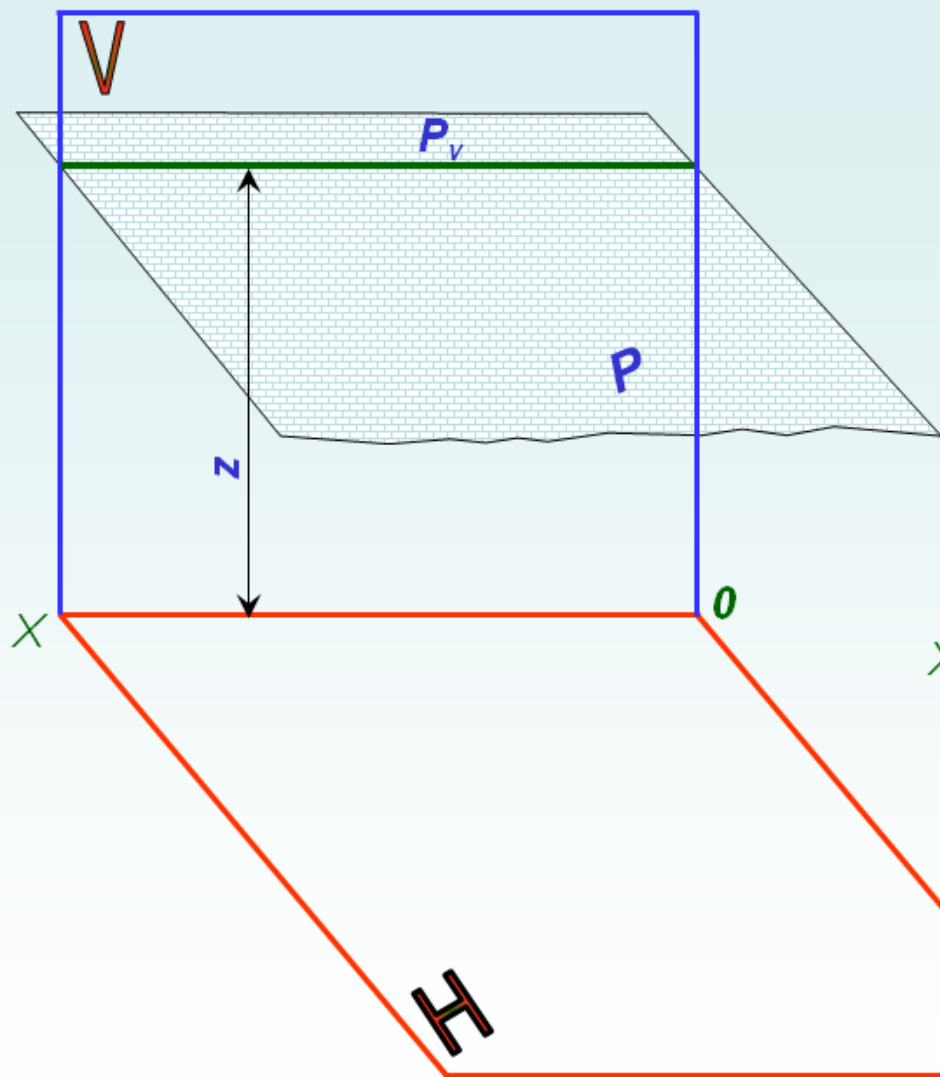
$\Phi$  tekislik frontal  
 proyeksiyalovchi tekislik





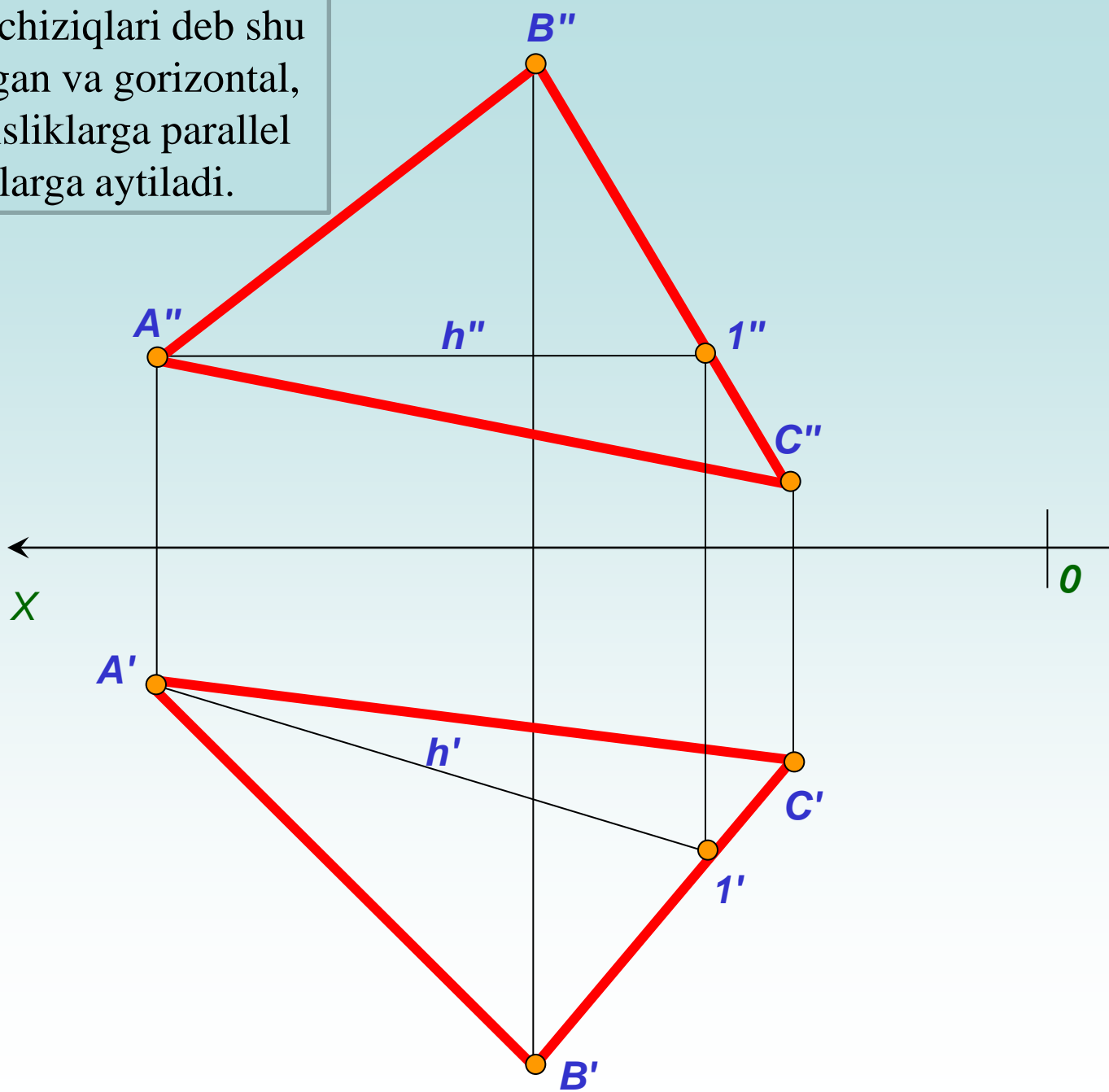
**$\Pi$**  Tekislik profil  
 proyeksiyalovchi tekislik



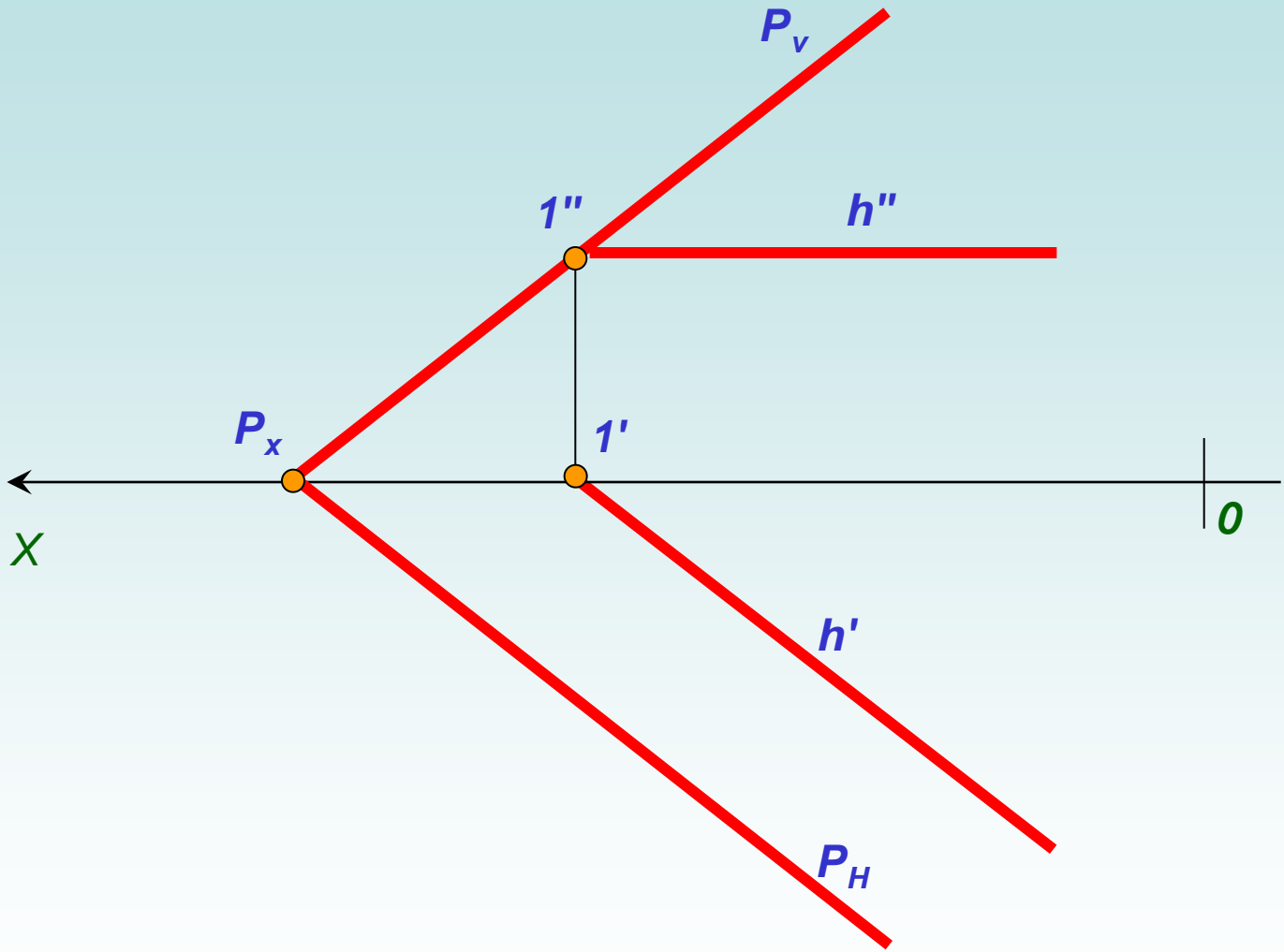


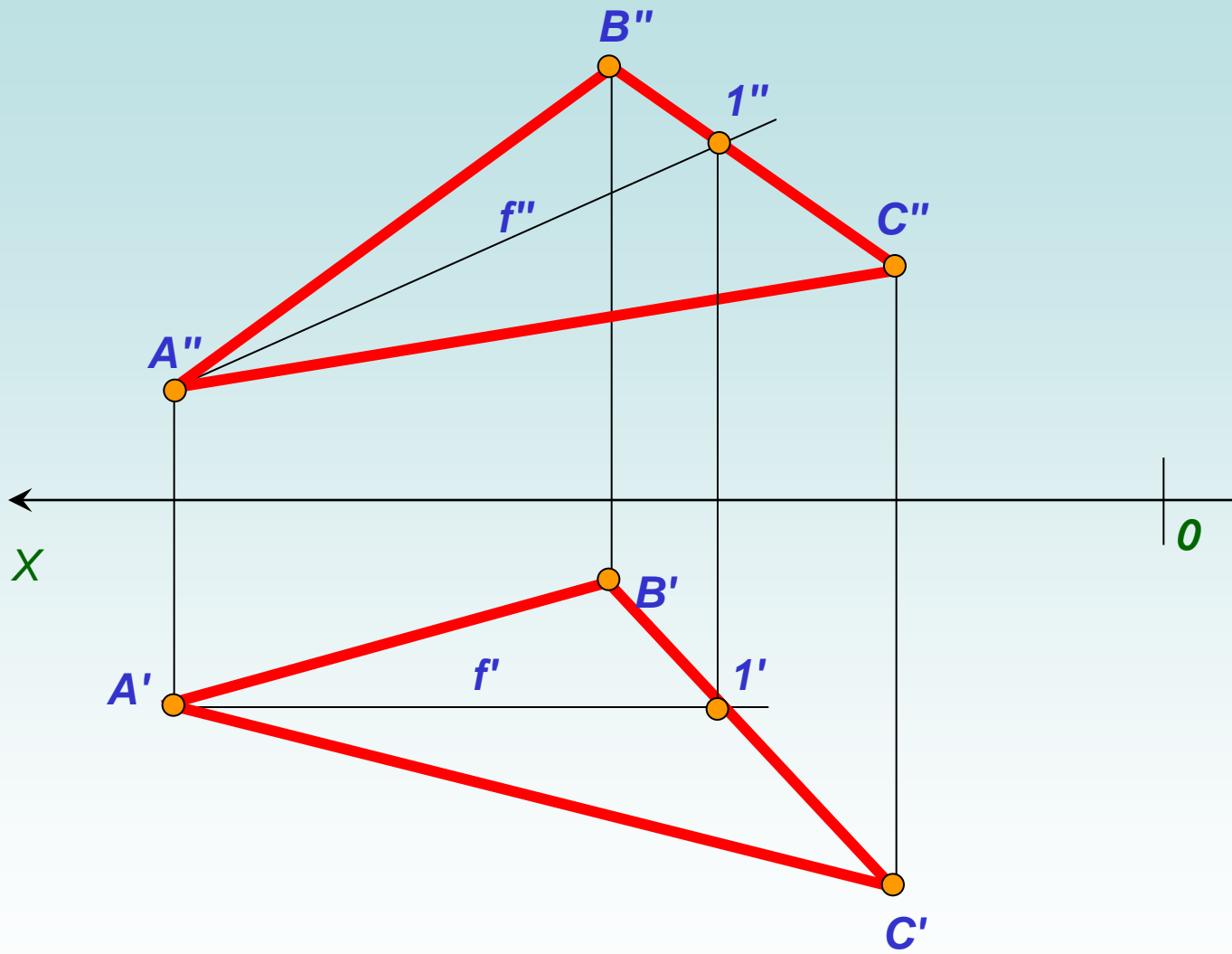
Agar tekislik  $H$  gorizontaal proyeksiyalash tekisligiga parallel bo'lsa bunday tekislik gorizontaal tekislik deyiladi. Frontal proyeksiyalash tekisligiga parallel bo'lsa frontal tekislik, profil proyeksiyalash tekisligiga parallel bo'lsa profil tekislik deyiladi

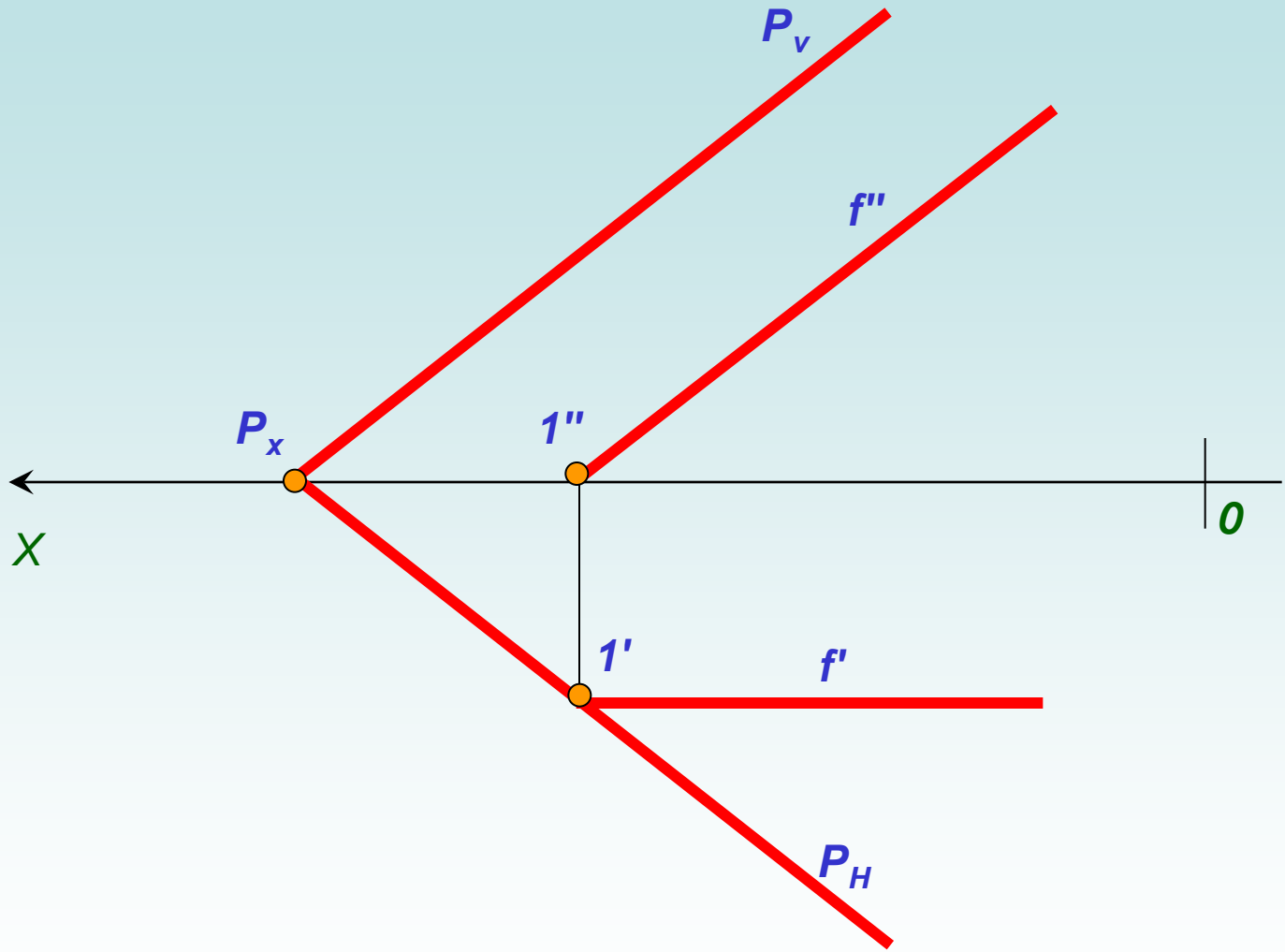
Tekislikning bosh chiziqlari deb shu tekislikda joylashgan va gorizonta, frontal, profil tekisliklarga parallel bo'lgan chiziq'larga aytiladi.

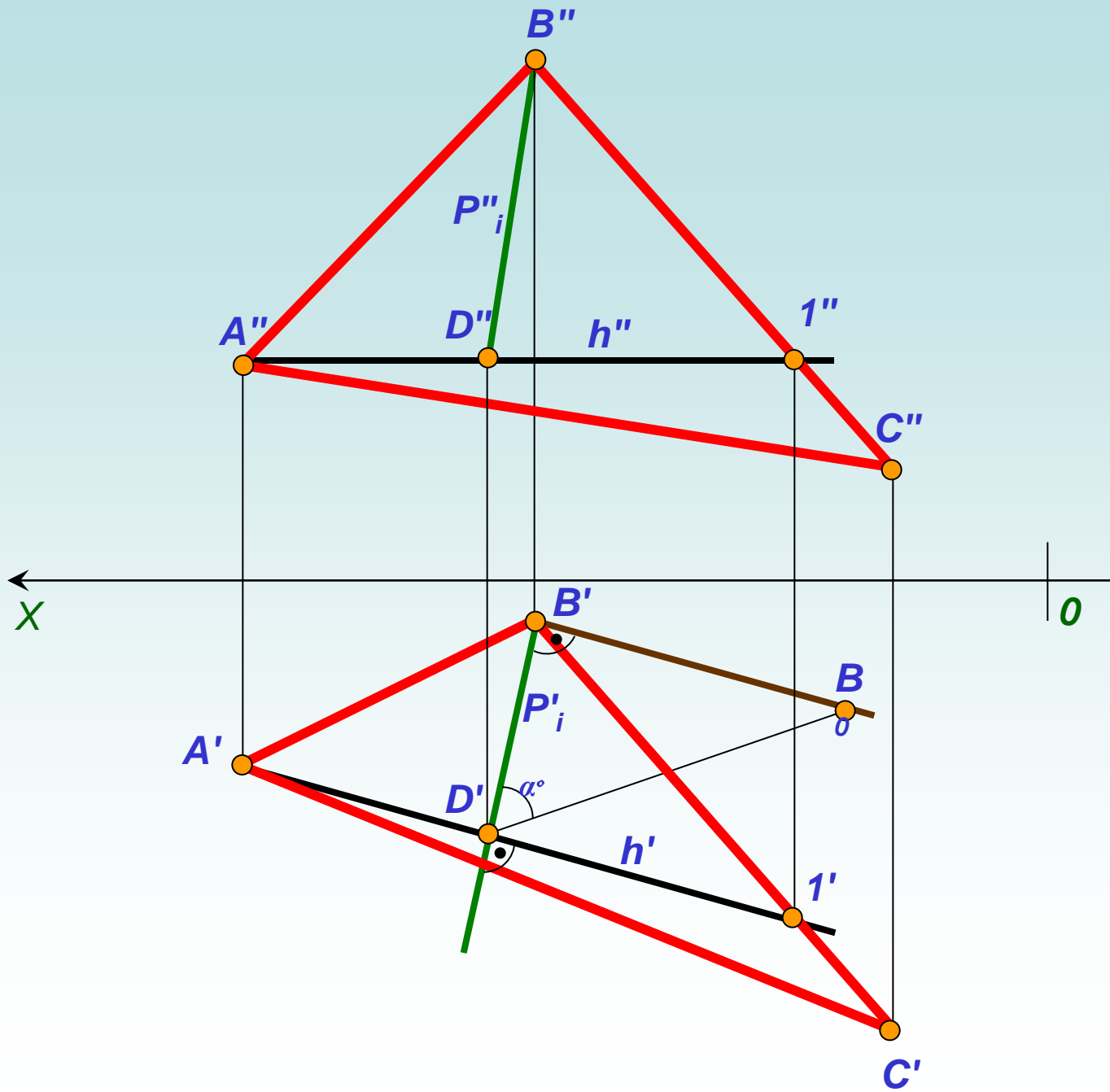


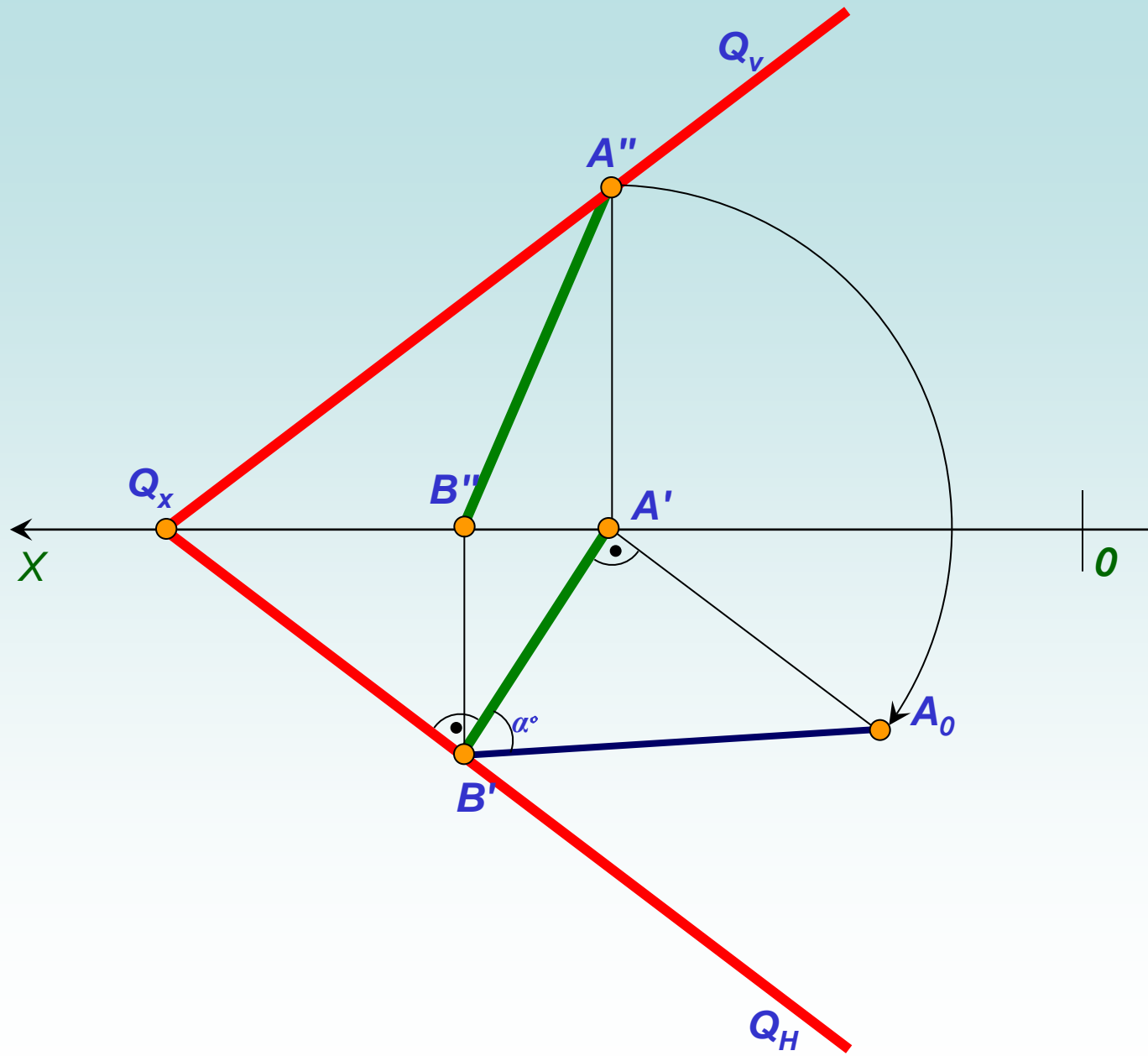




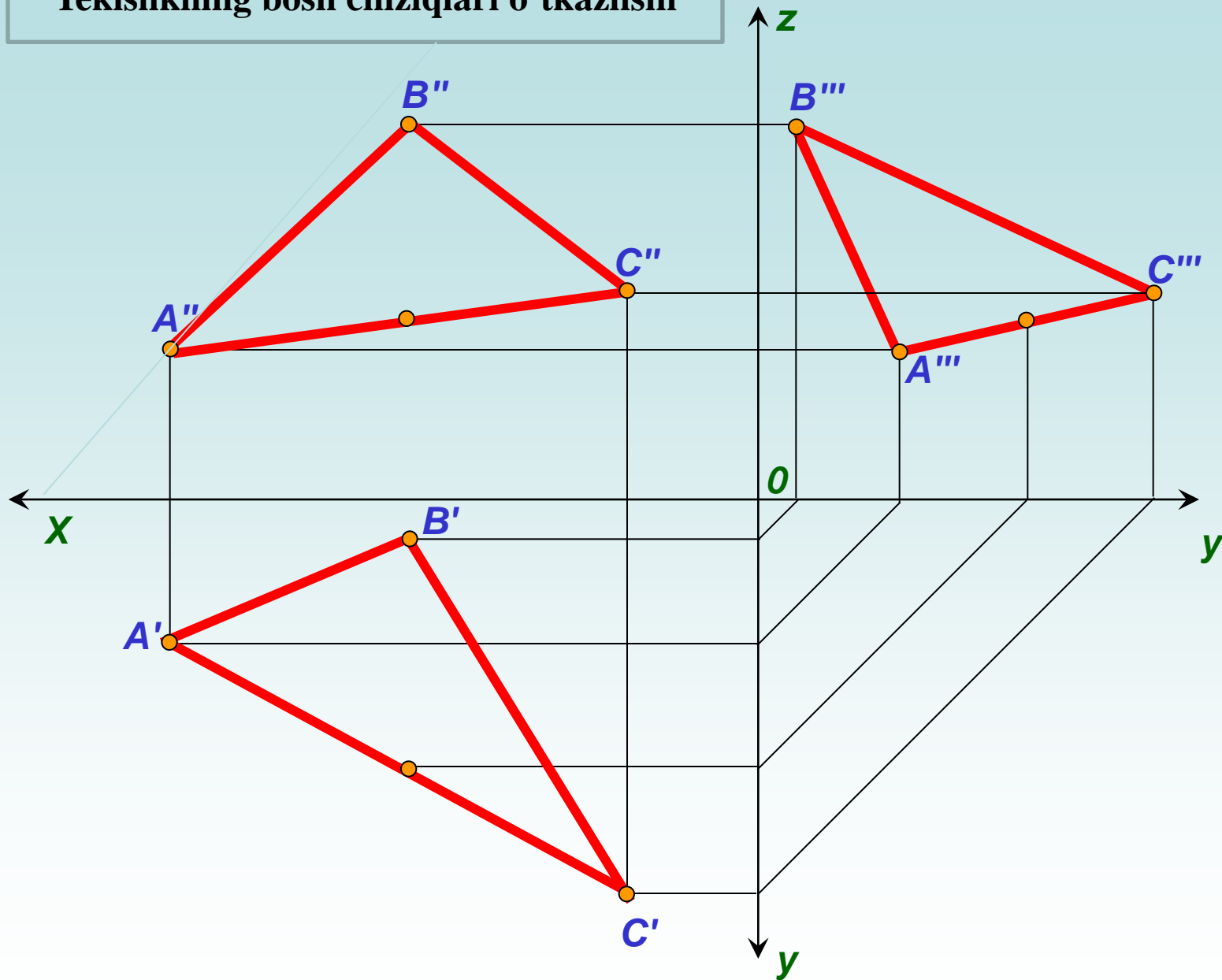








Tekislikning bosh chiziqlari o'tkazilsin



E'tiboringiz uchun rahmat!!!