

Ординаты для разбивки  
переводной кривой стрелочного  
перевода



Покажем фрагмент стрелочного перевода...

The diagram illustrates a railway turnout. At the top, a horizontal line represents the main track. A curved line branches off downwards and to the right, representing the diverging track. A callout box points to this curve. At the bottom, a horizontal line represents the main track. A diagonal line branches off downwards and to the left, representing the diverging track. A shaded triangular area is formed by the main track, the diverging track, and a vertical line. The angle between the main track and the diverging track is labeled with the Greek letter  $\alpha$ .

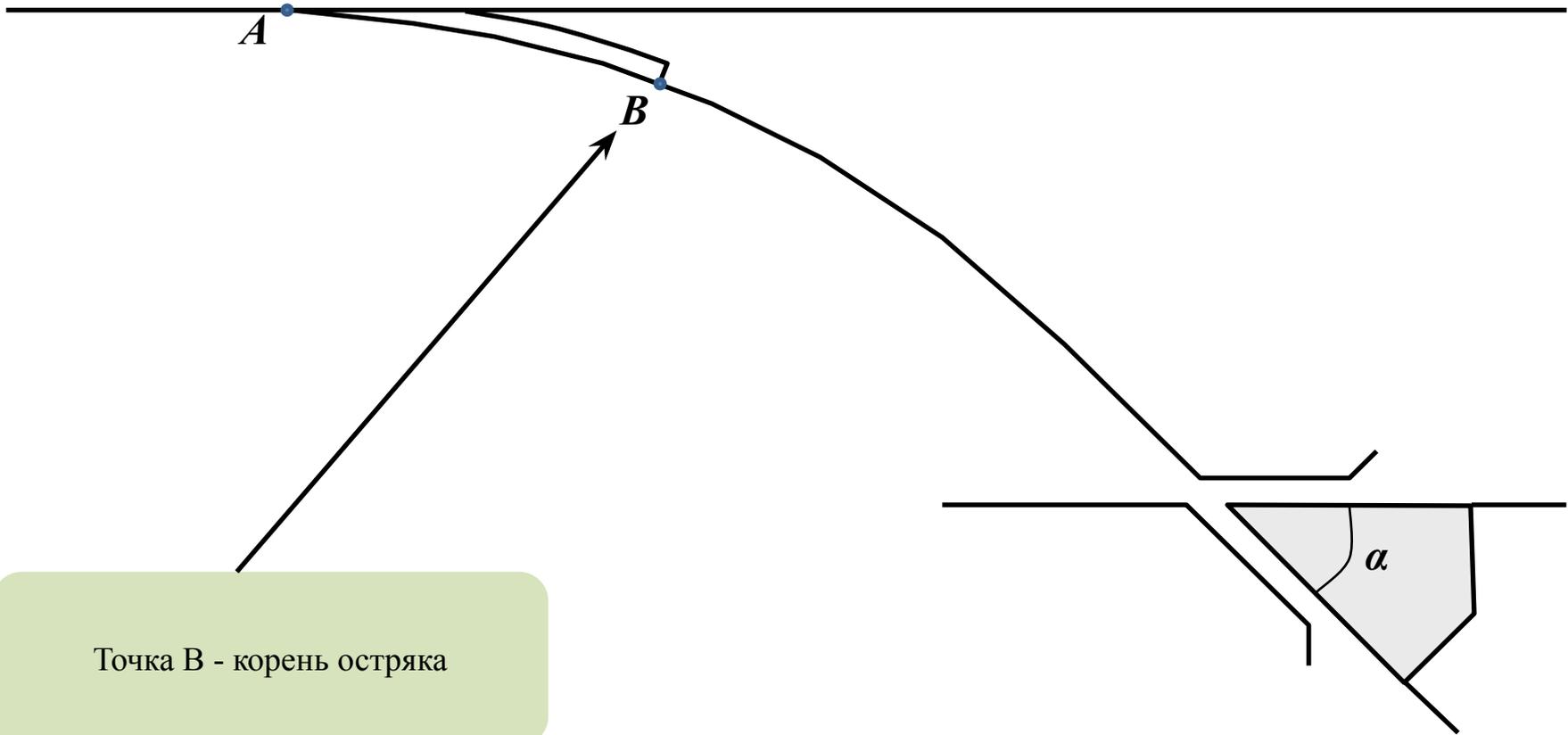
$\alpha$



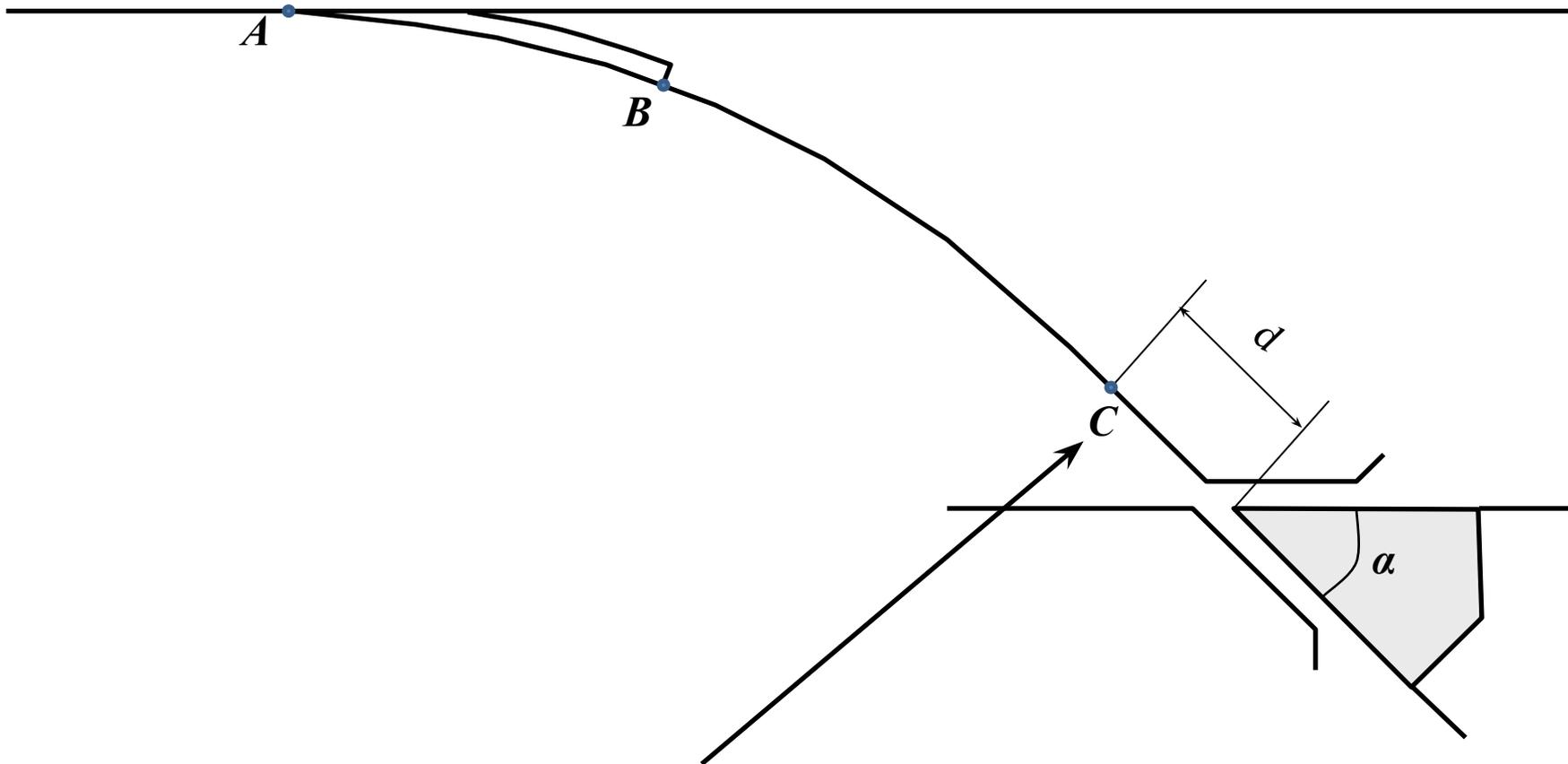
на котором покажем  
четыре характерные точки...

$\alpha$

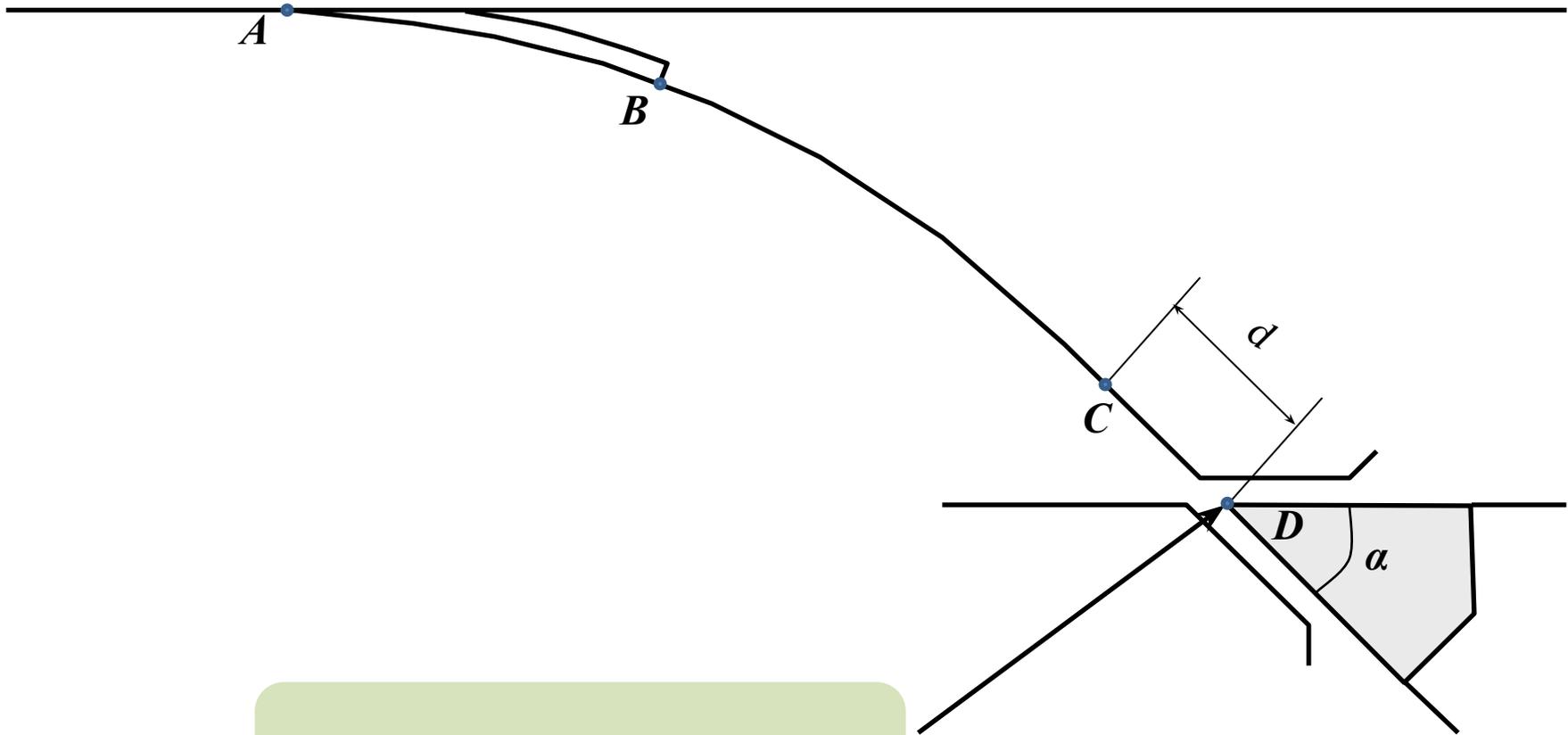




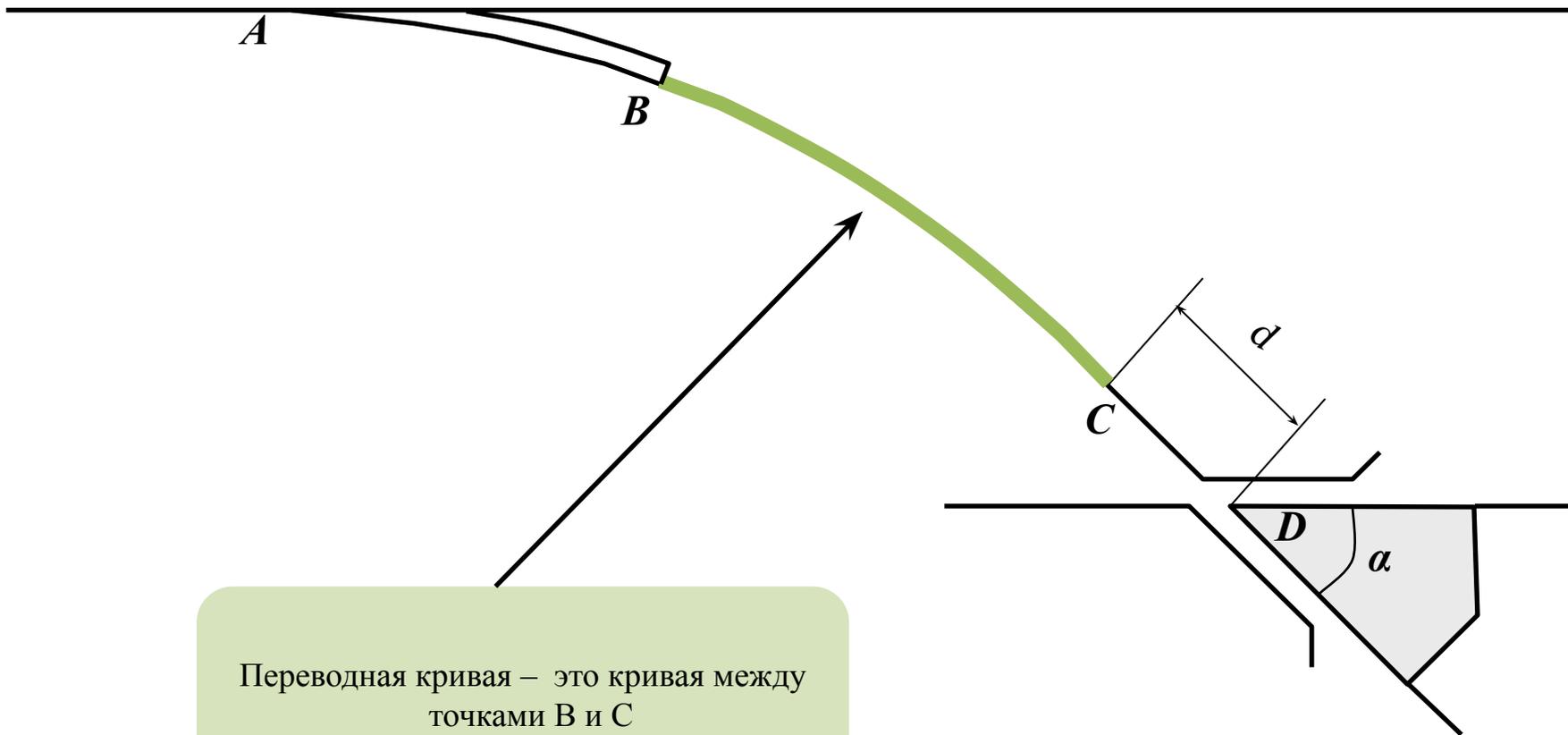
Точка В - корень остряка



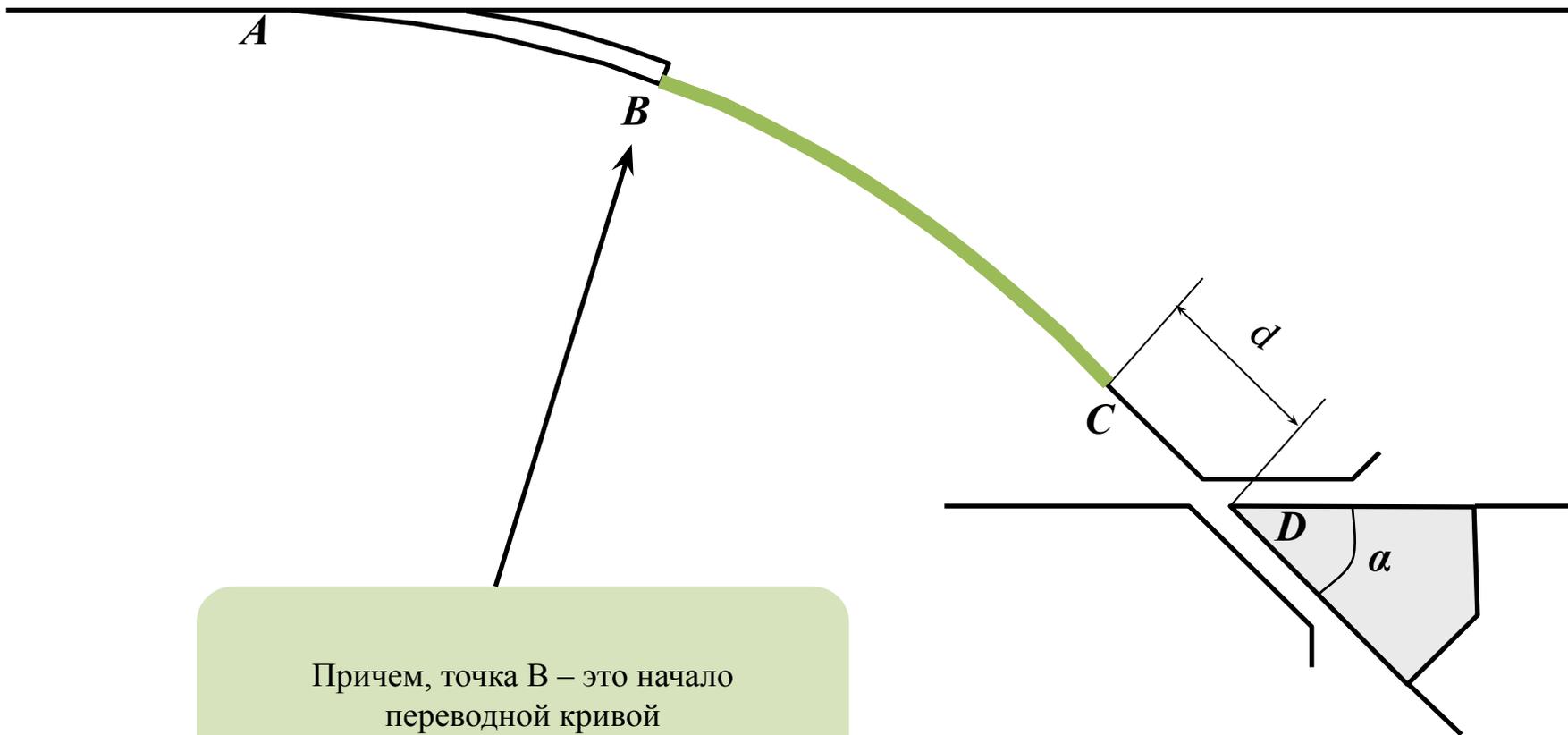
Точка *C* - начало прямой вставки  
перед крестовиной



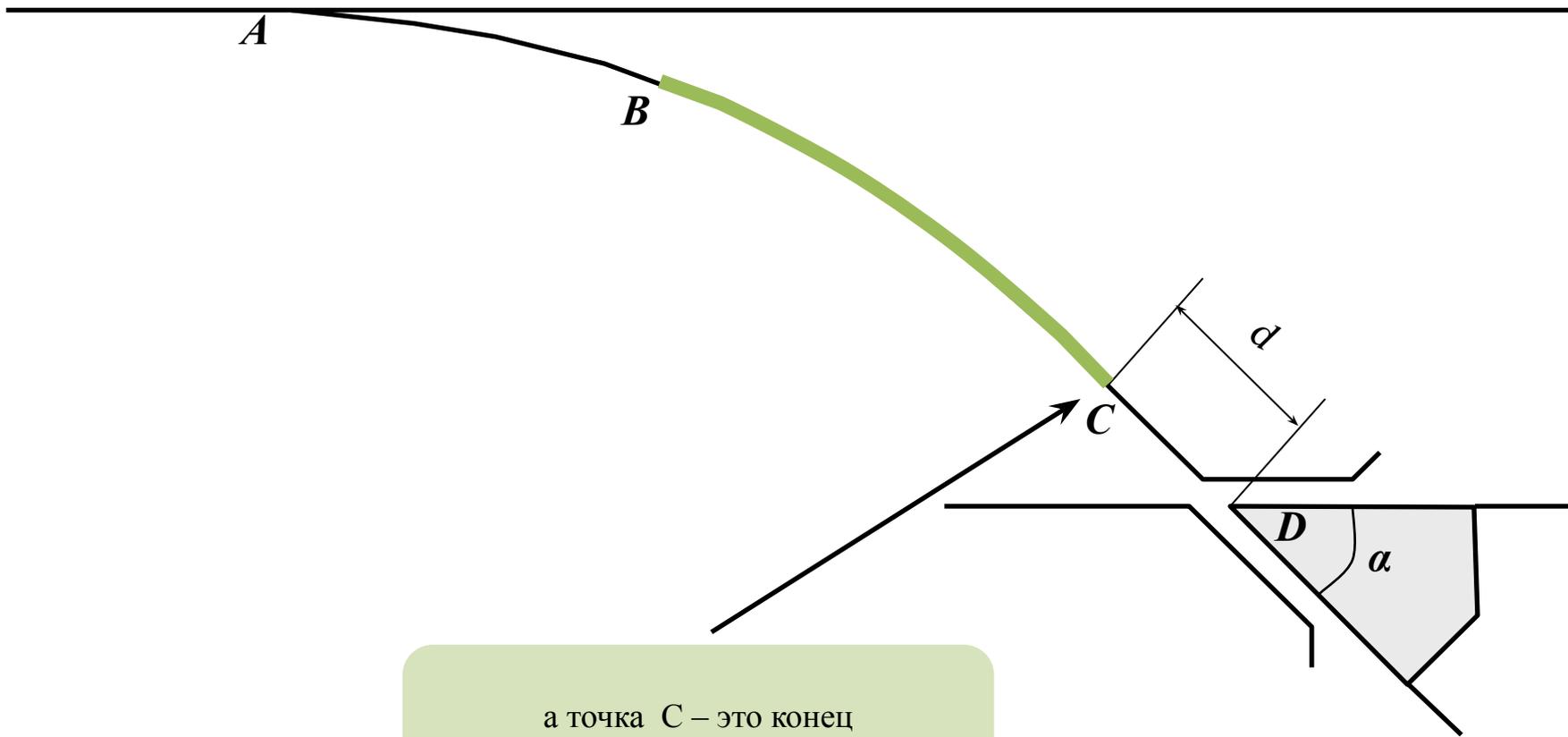
Точка D - острие крестовины



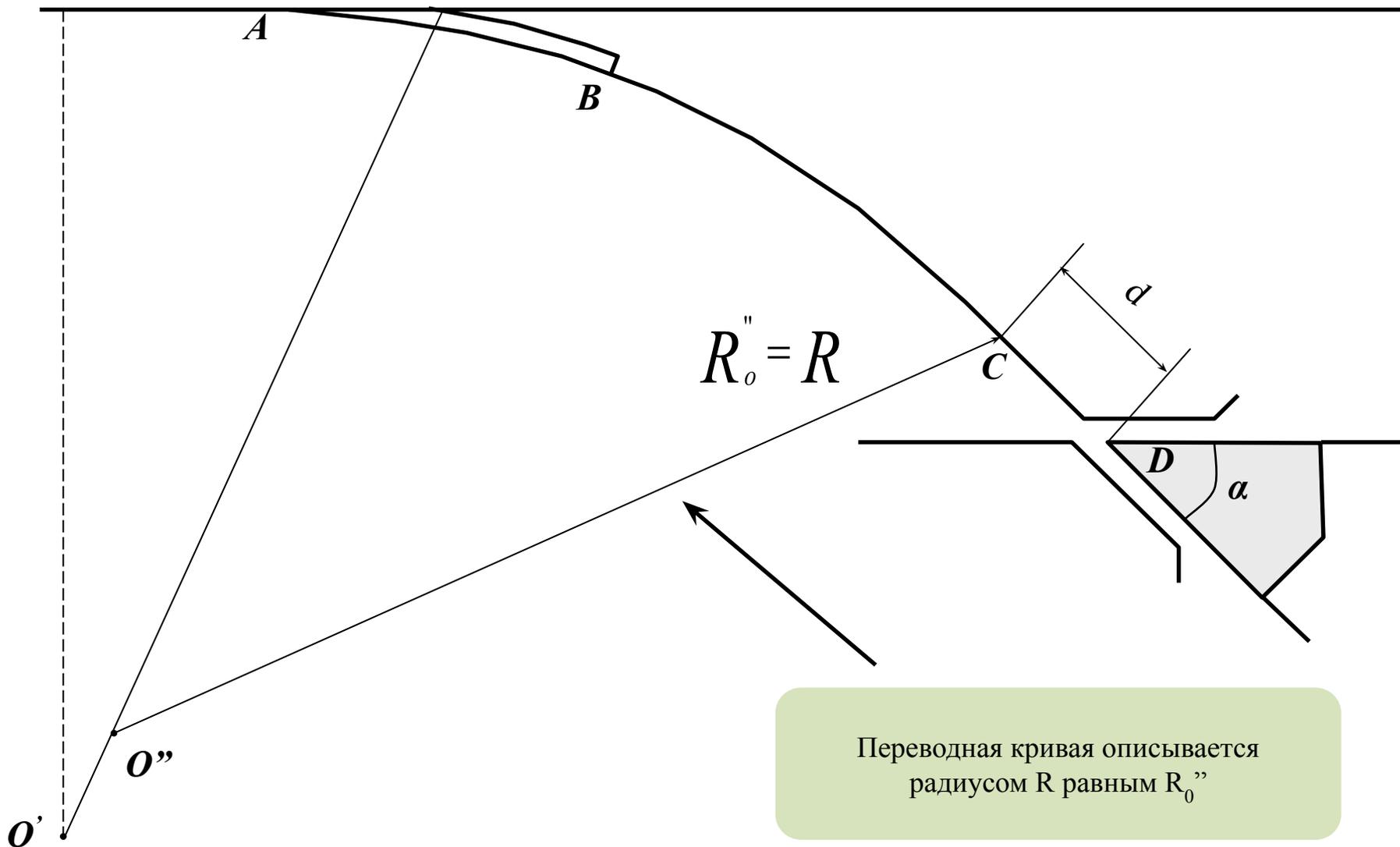
Переводная кривая – это кривая между точками В и С

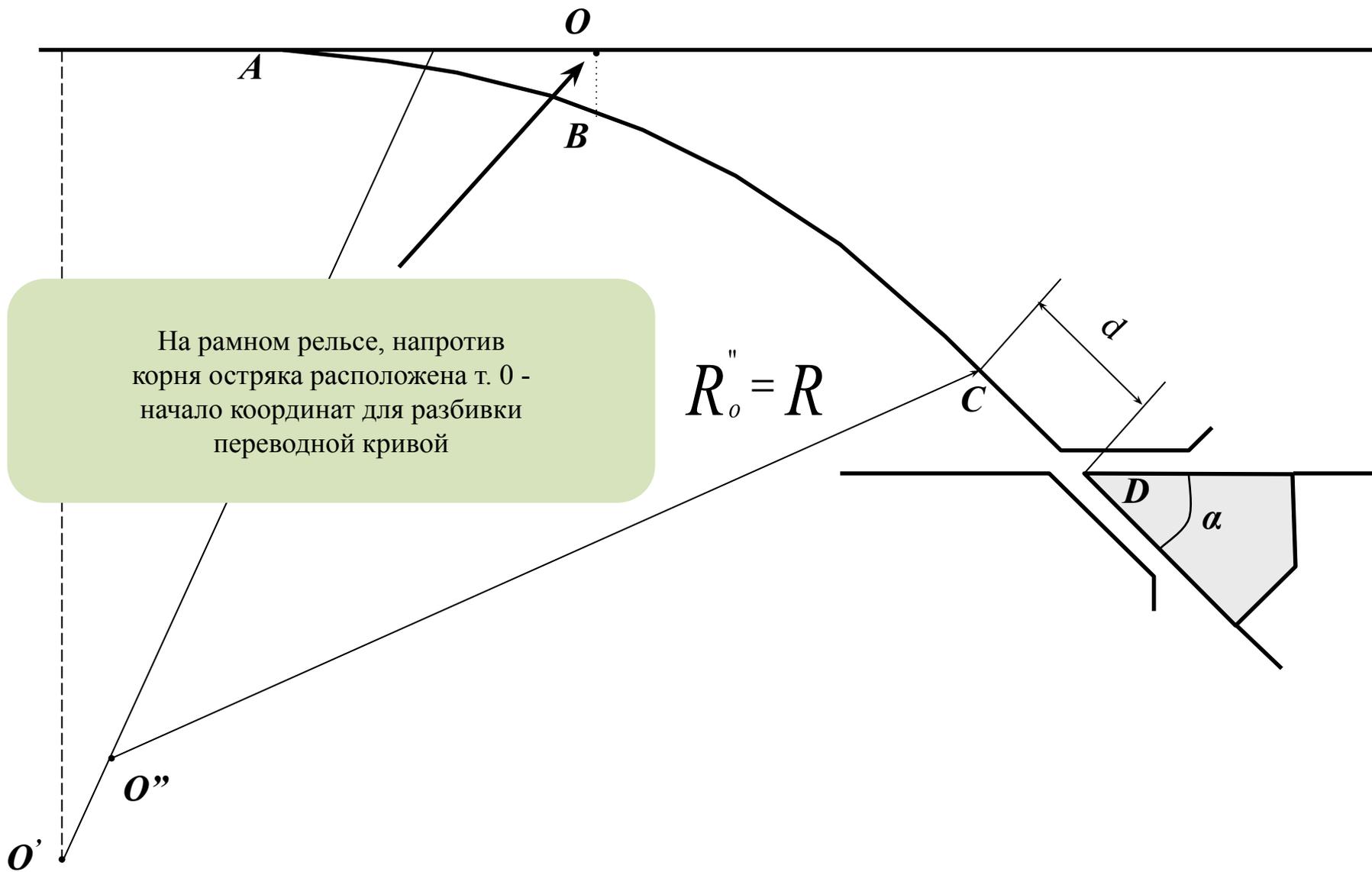


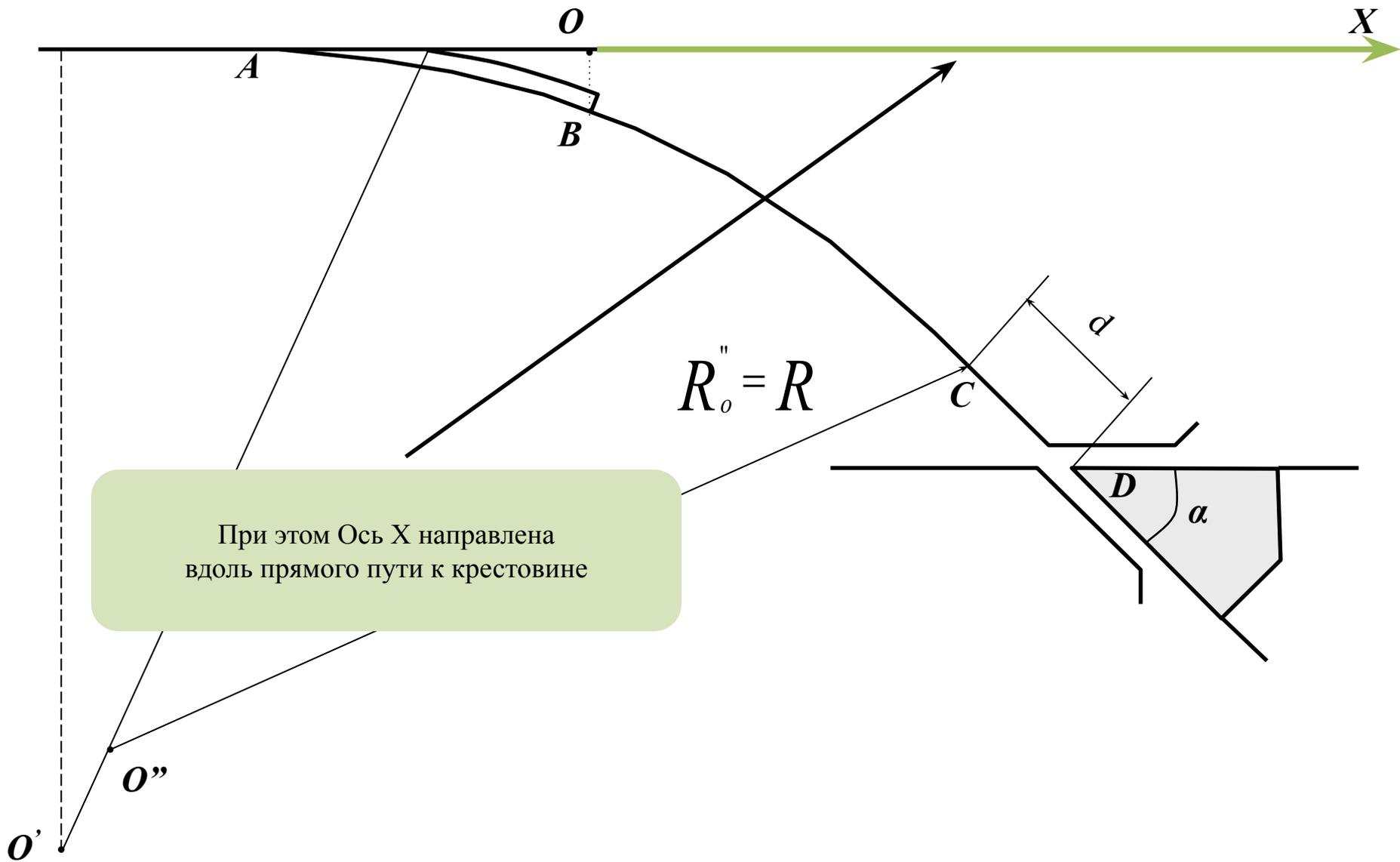
Причем, точка *B* – это начало переходной кривой



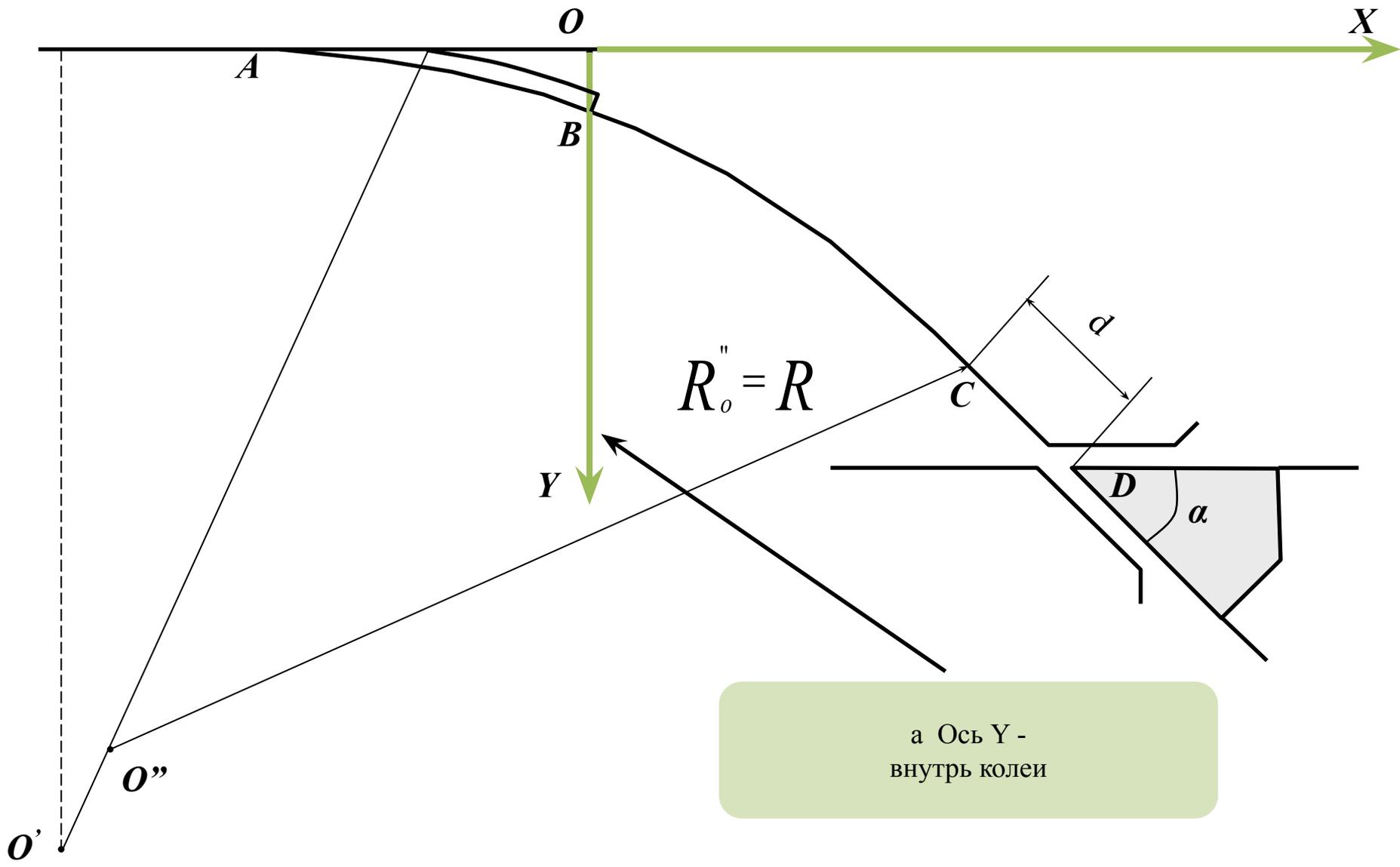
а точка  $C$  – это конец  
переходной кривой

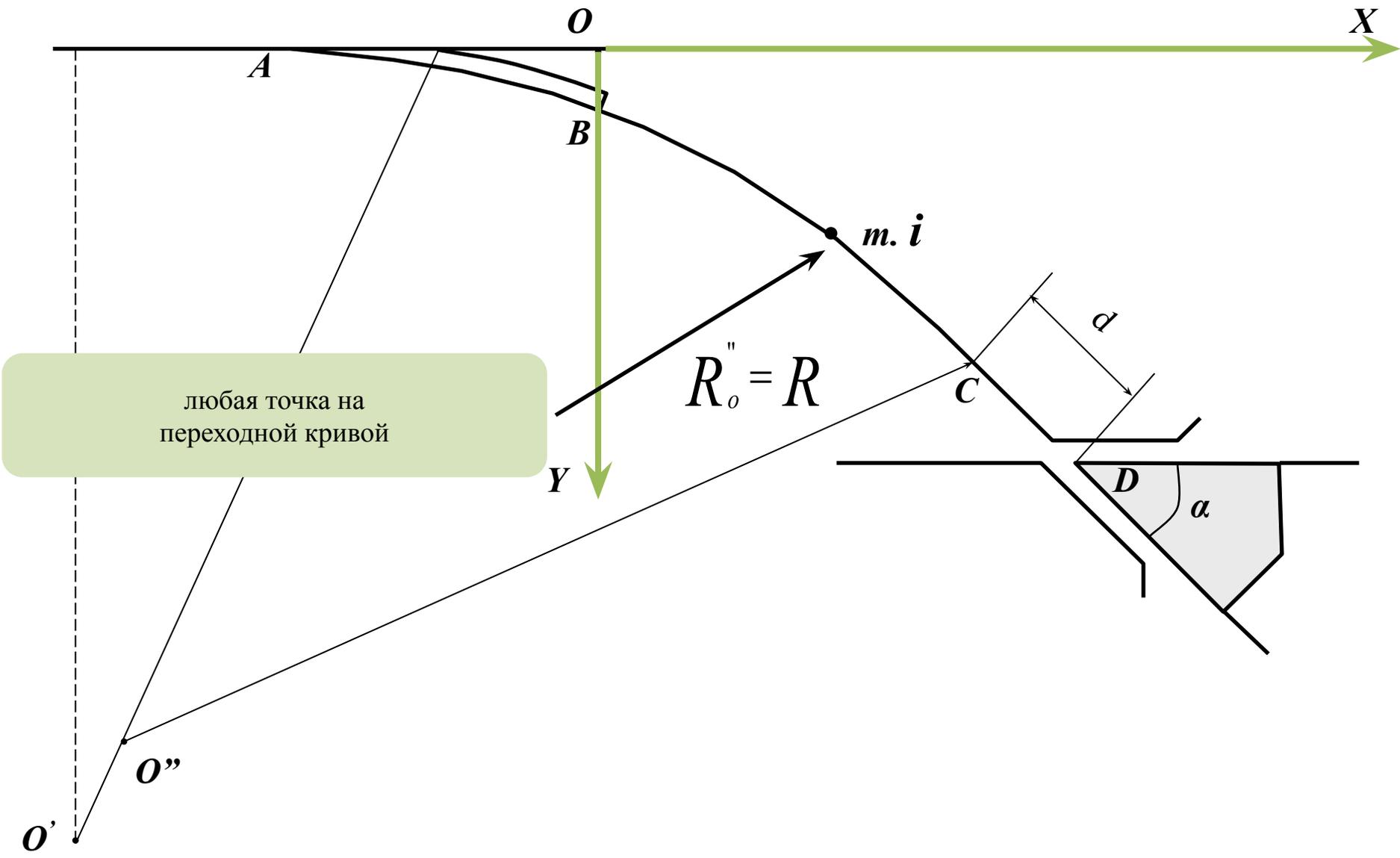


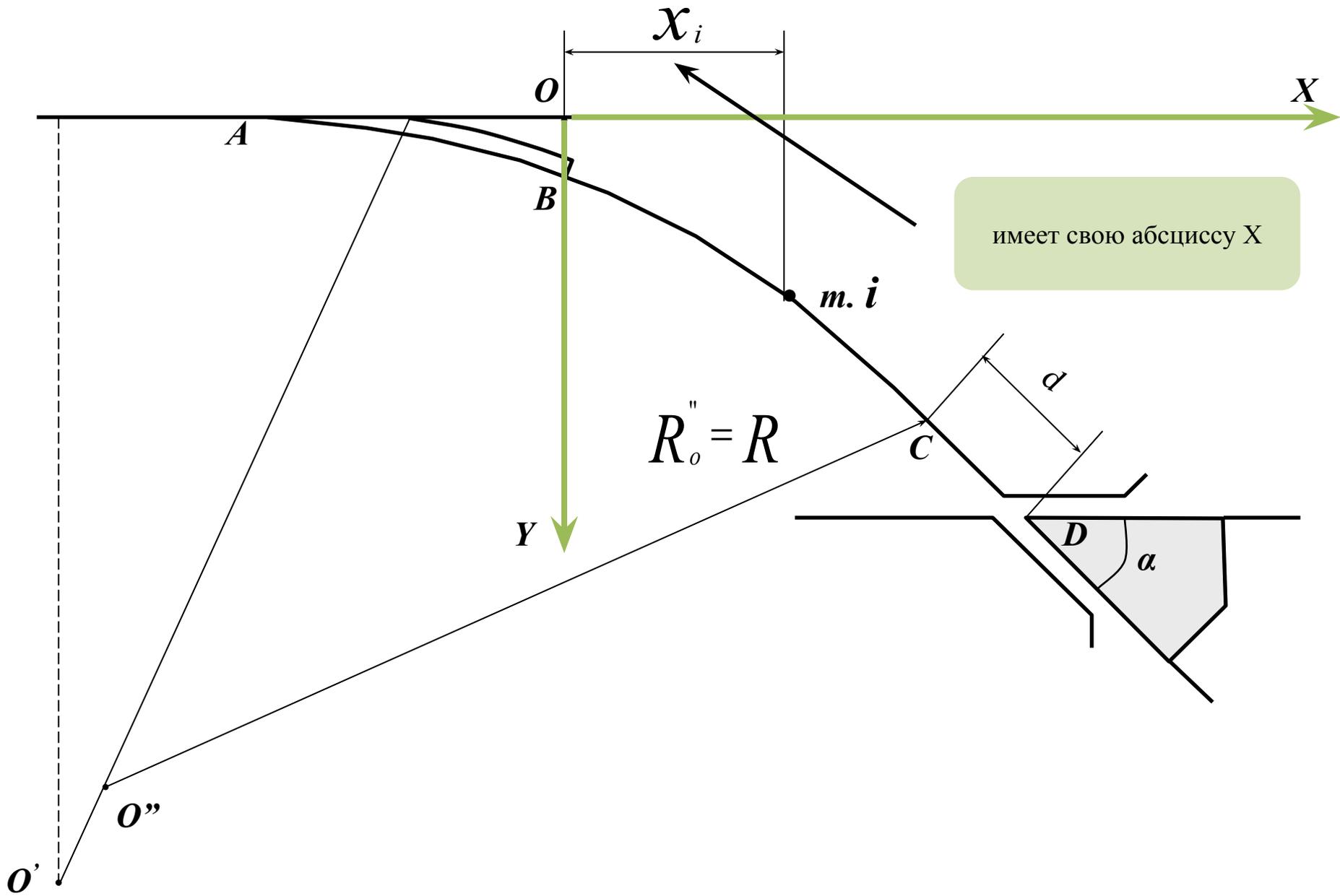


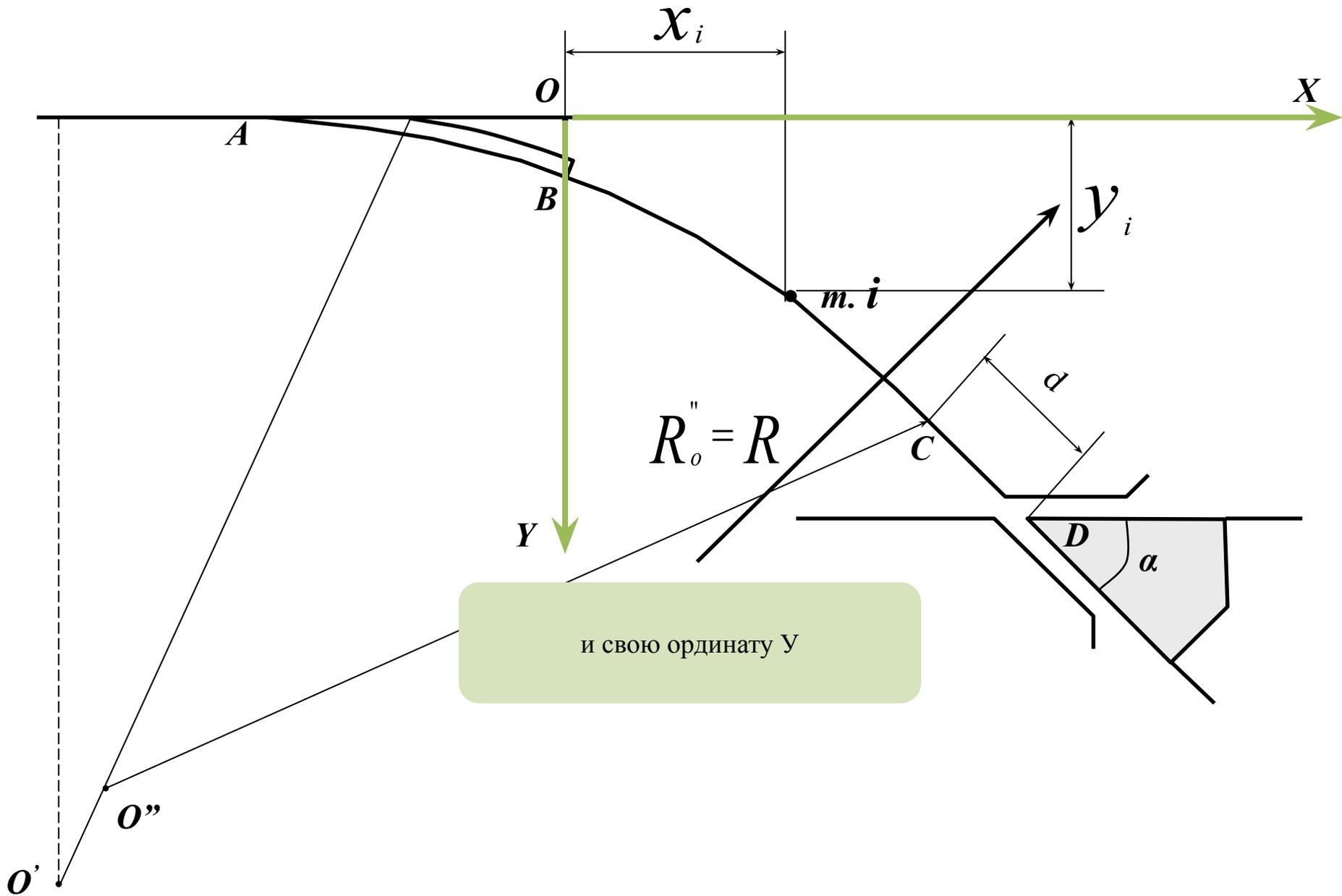


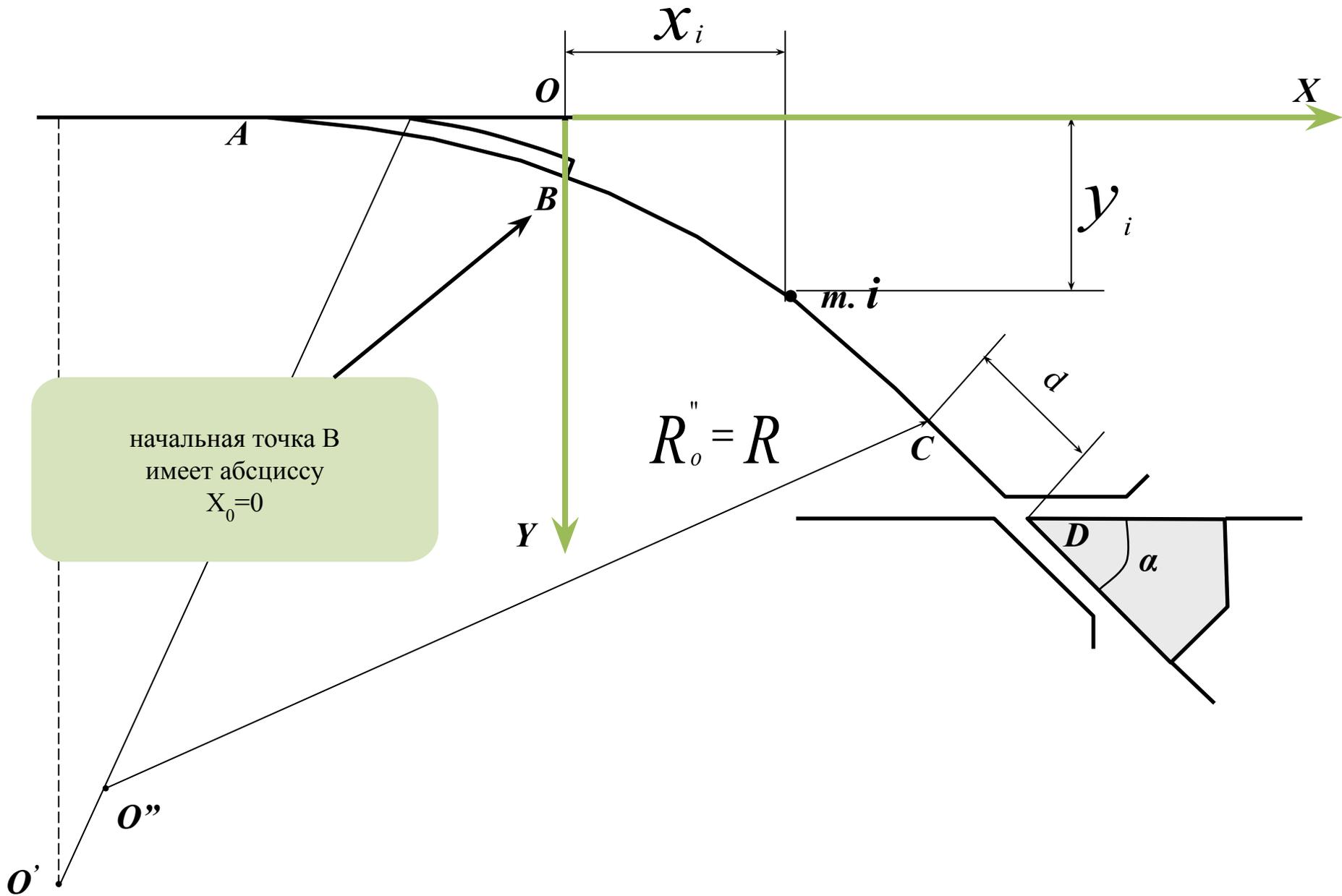
При этом Ось  $X$  направлена  
вдоль прямого пути к крестовине

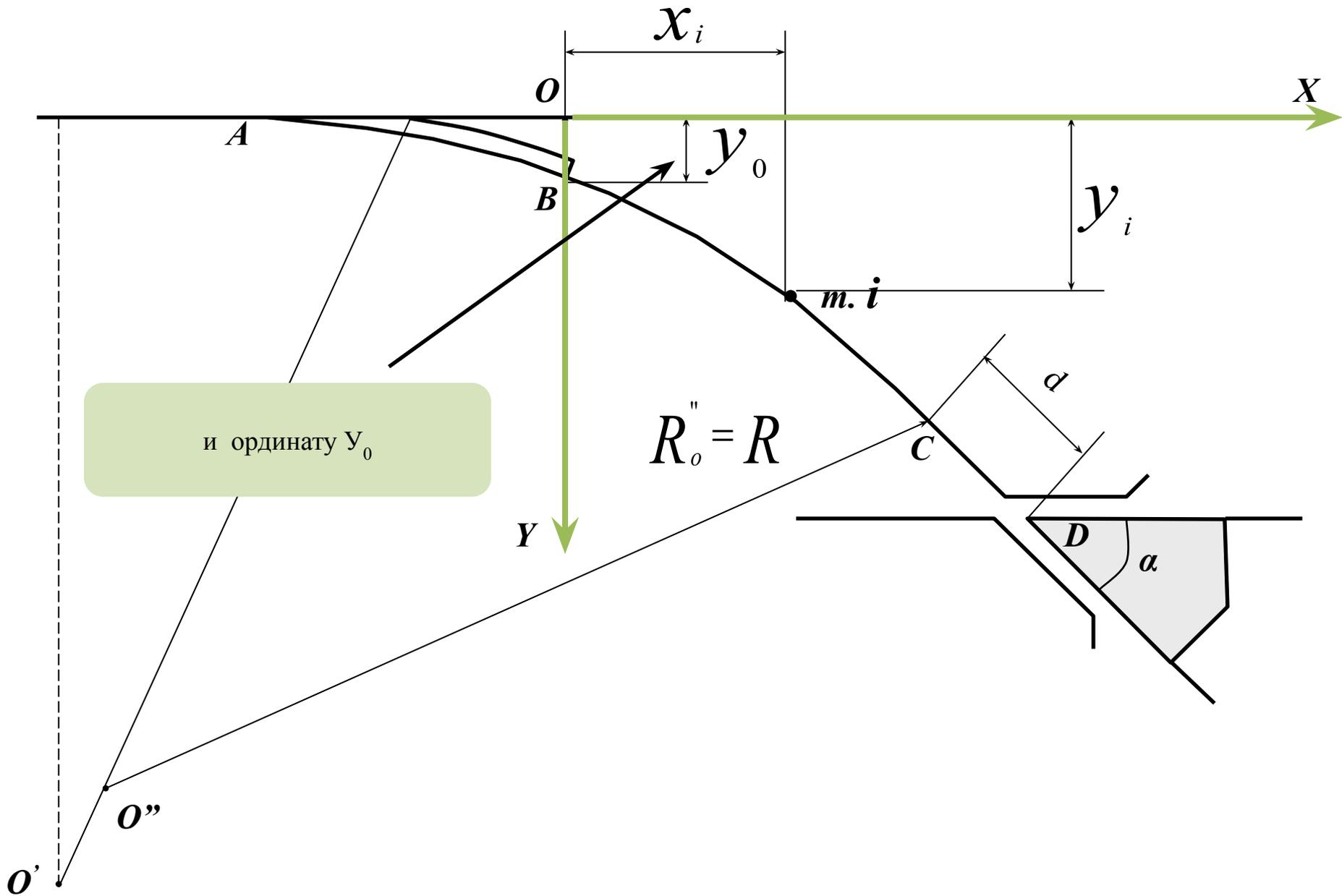


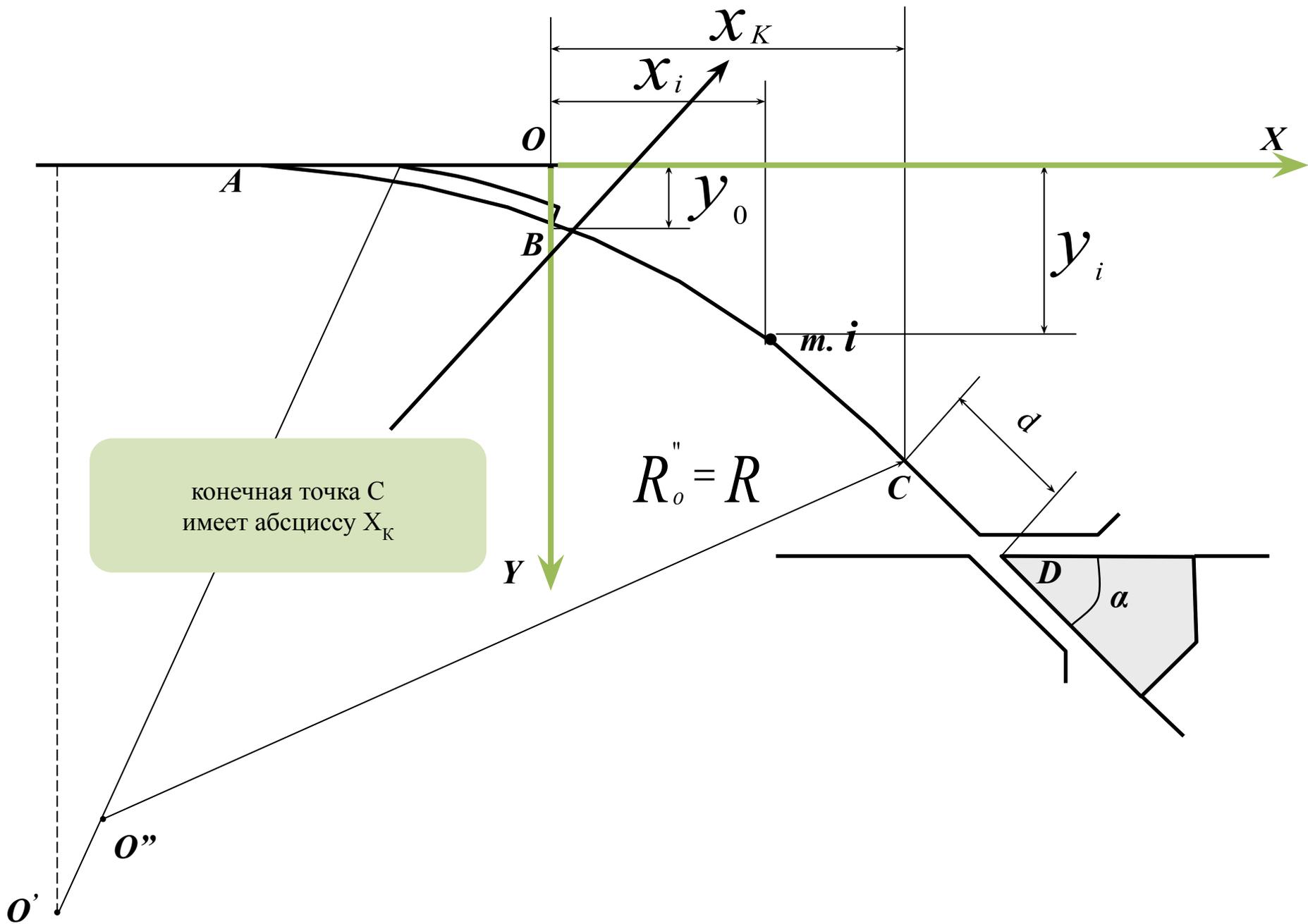




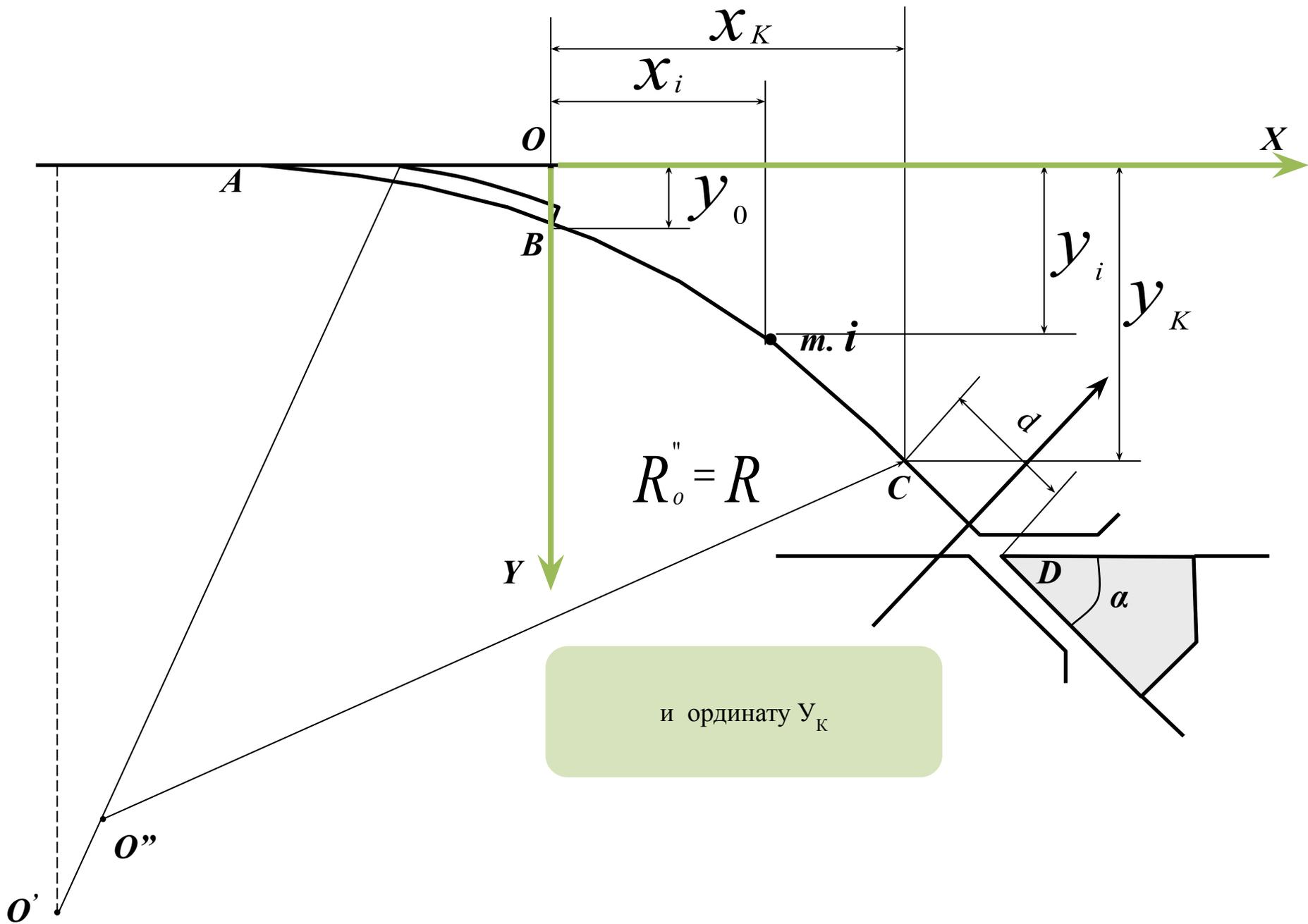


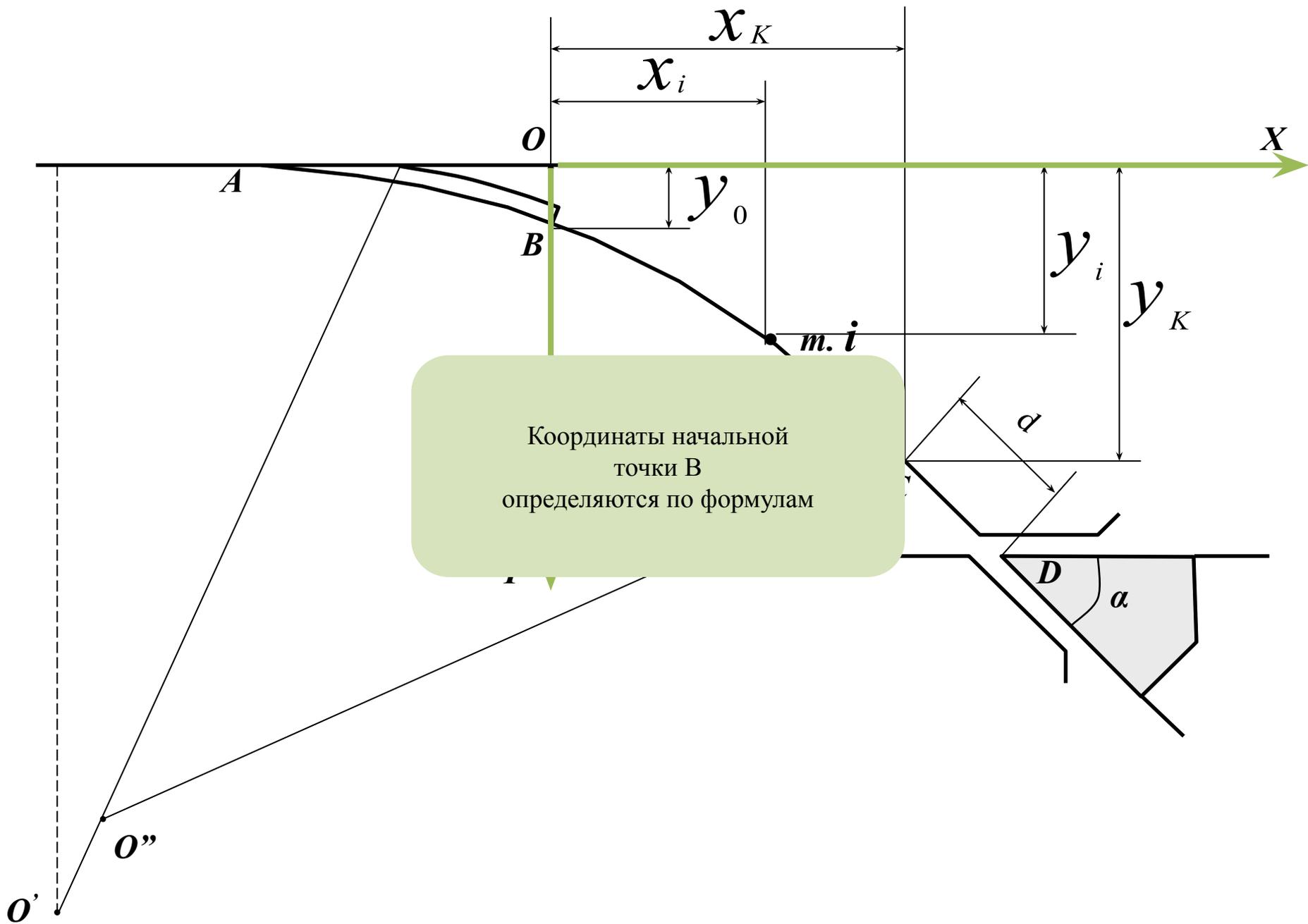


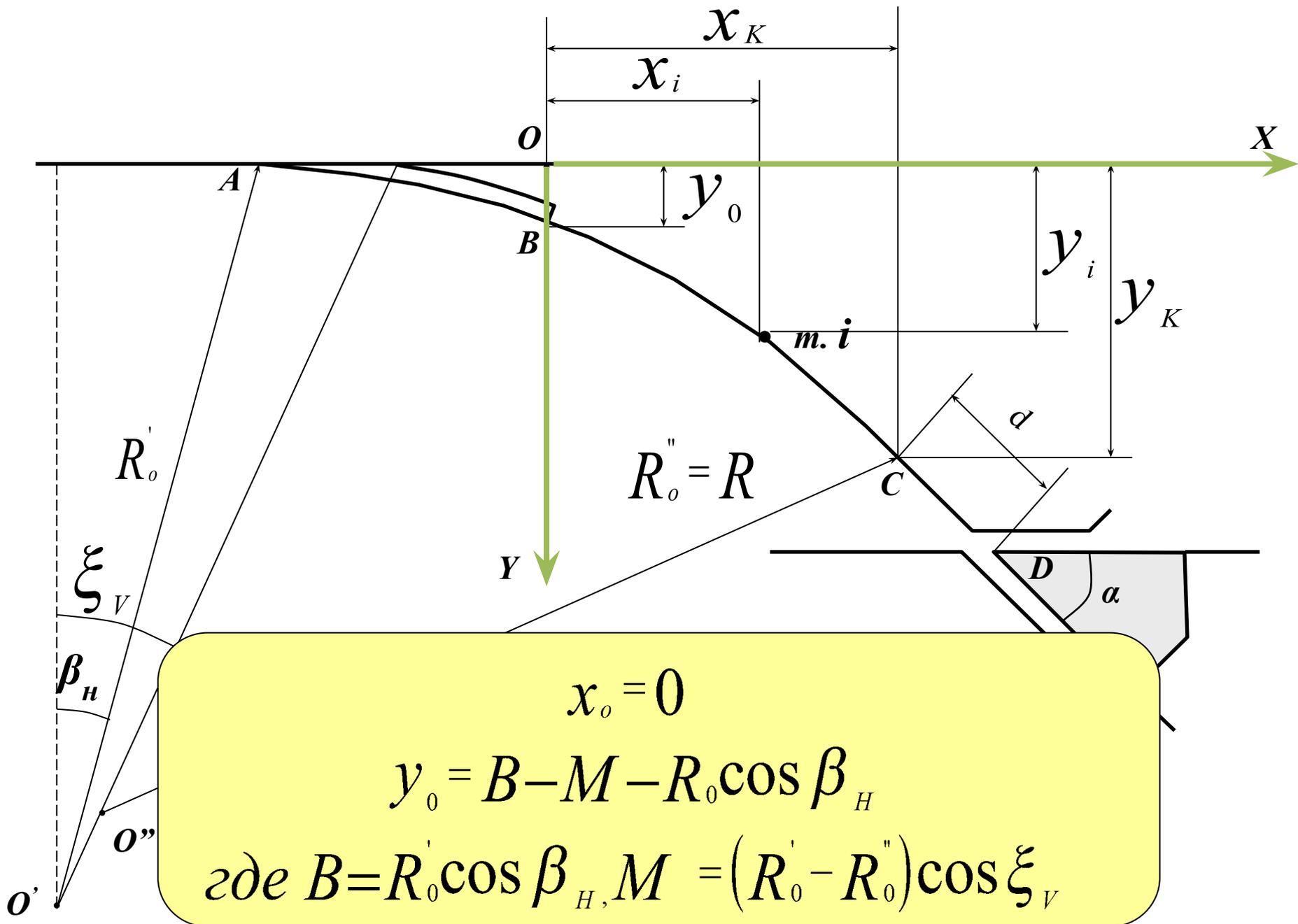


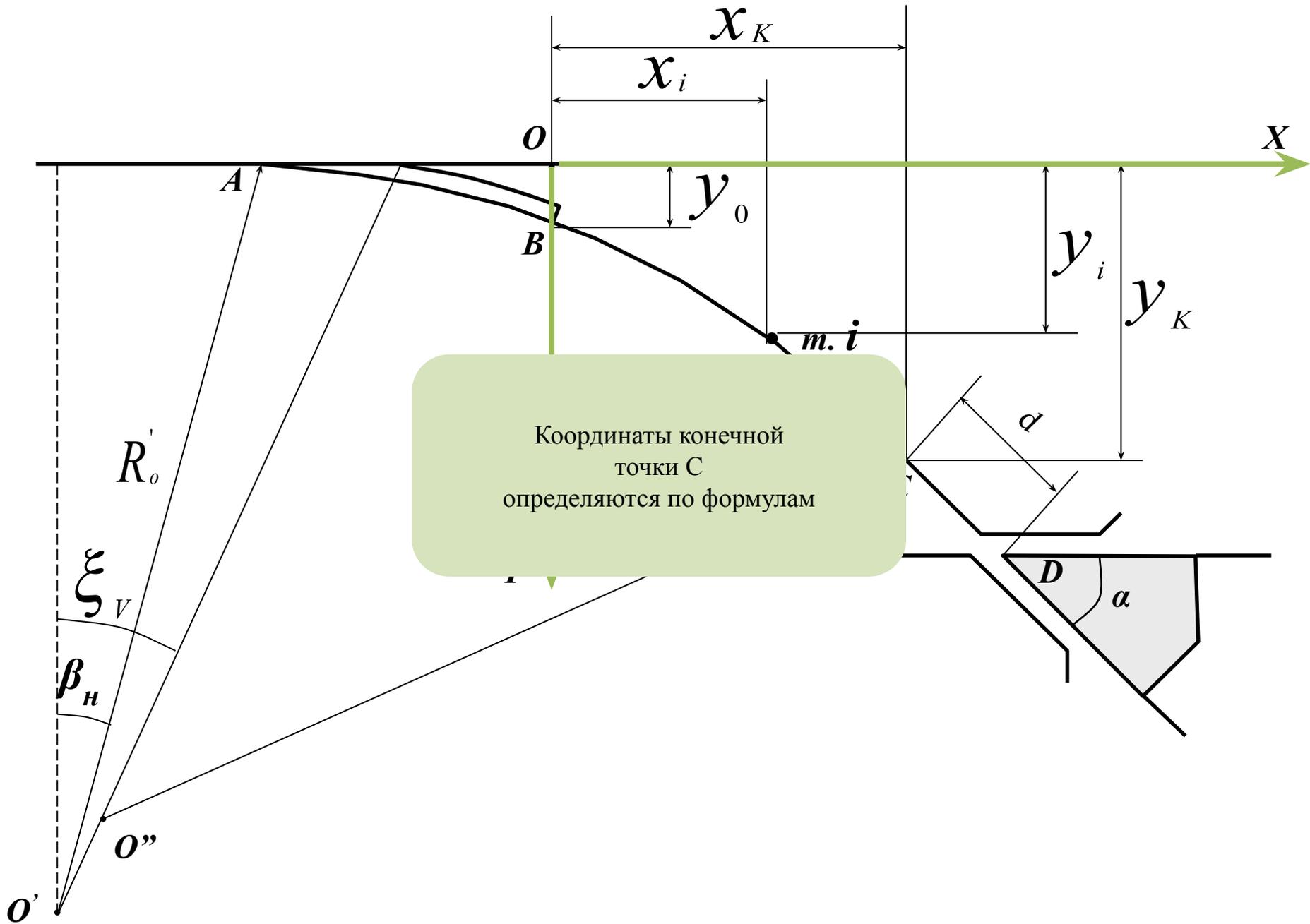


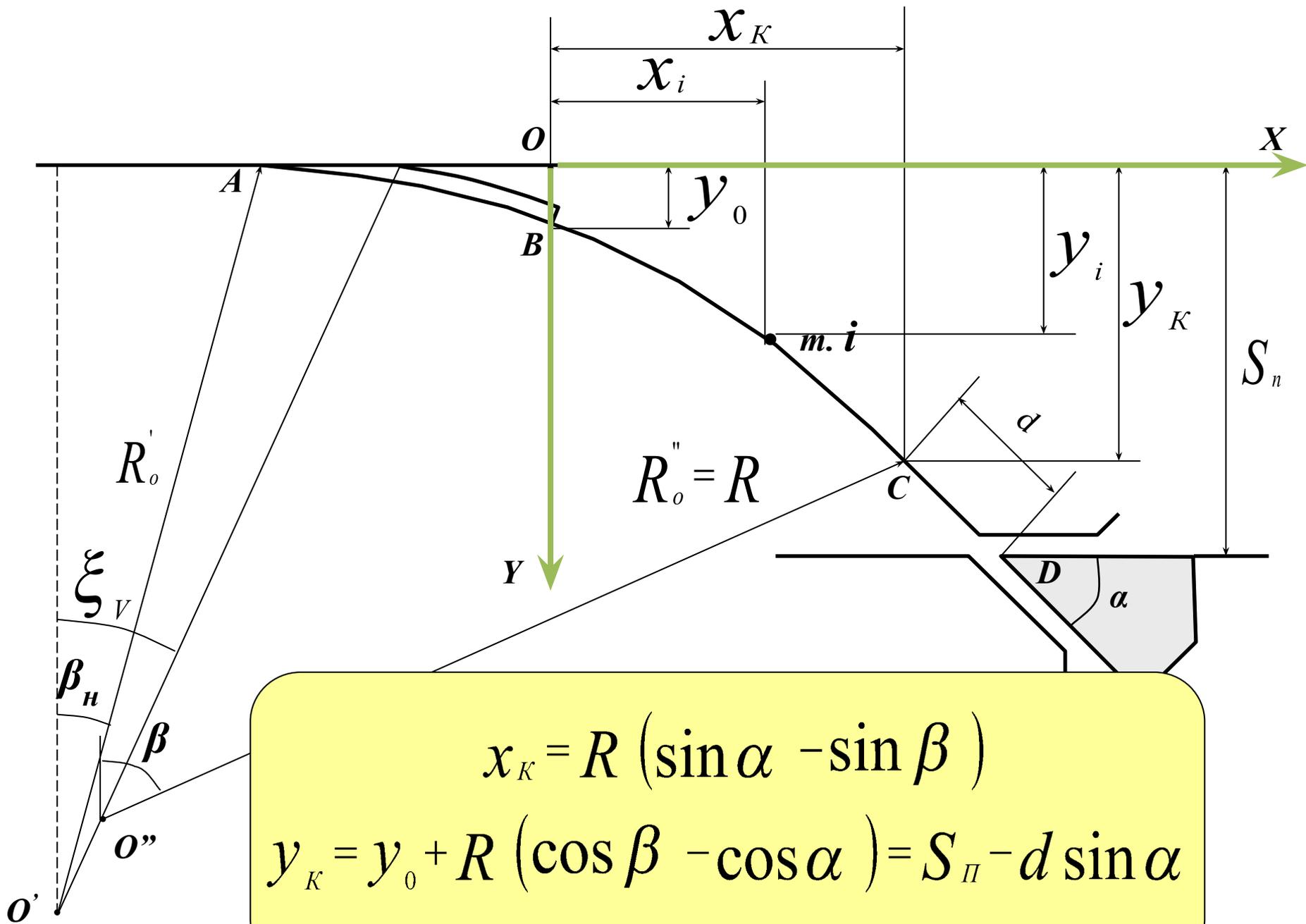
конечная точка C  
 имеет абсциссу  $X_K$

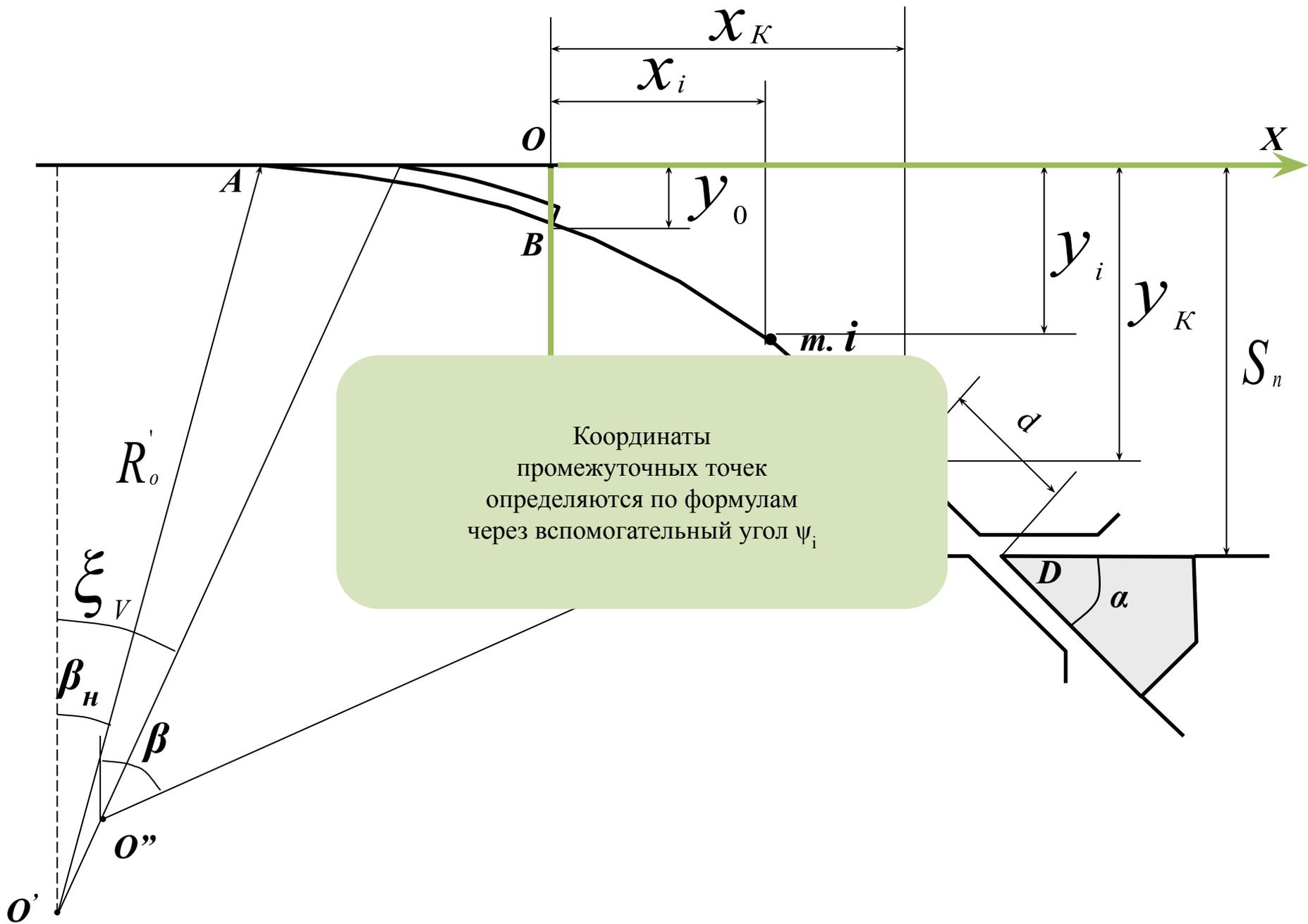


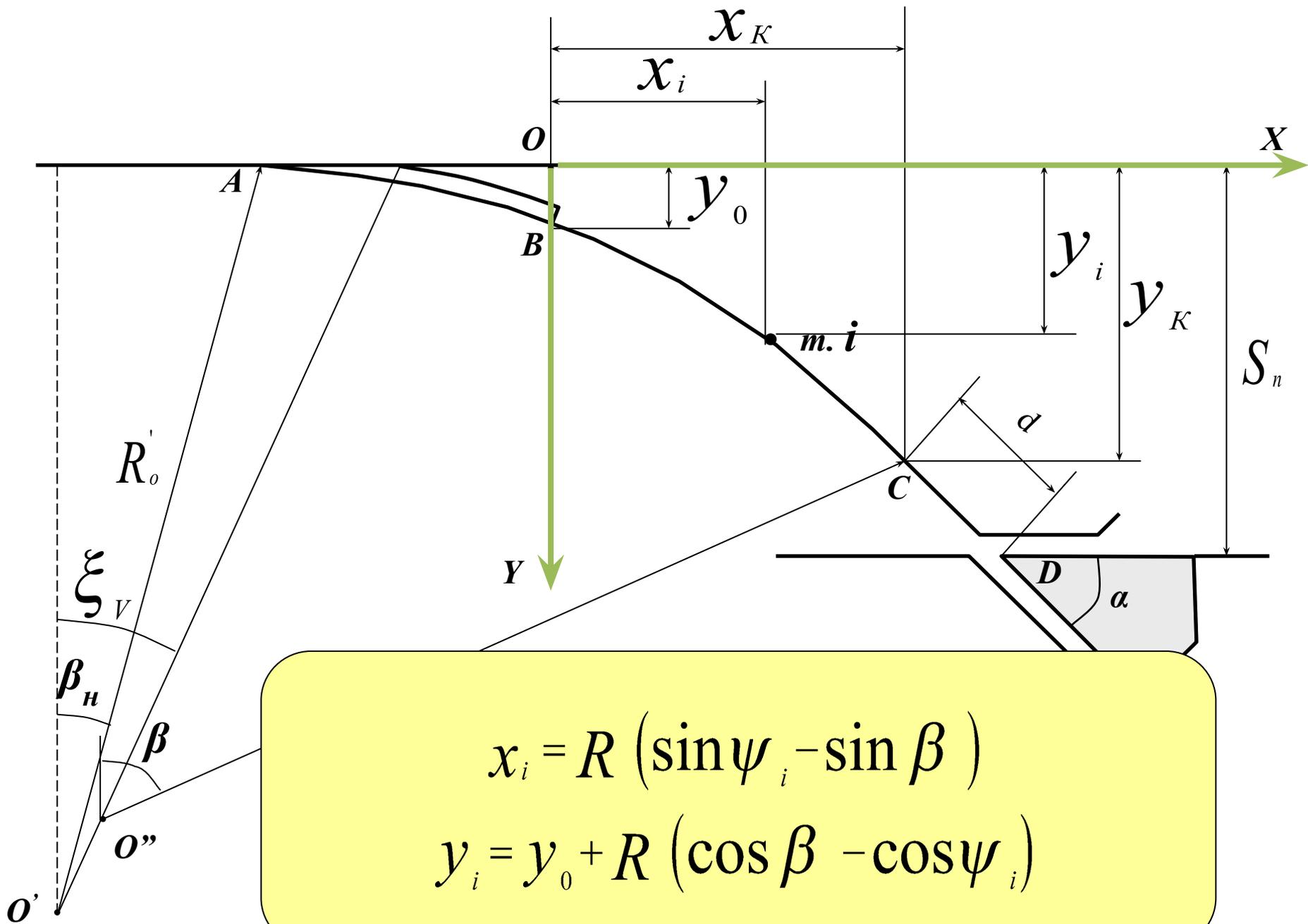






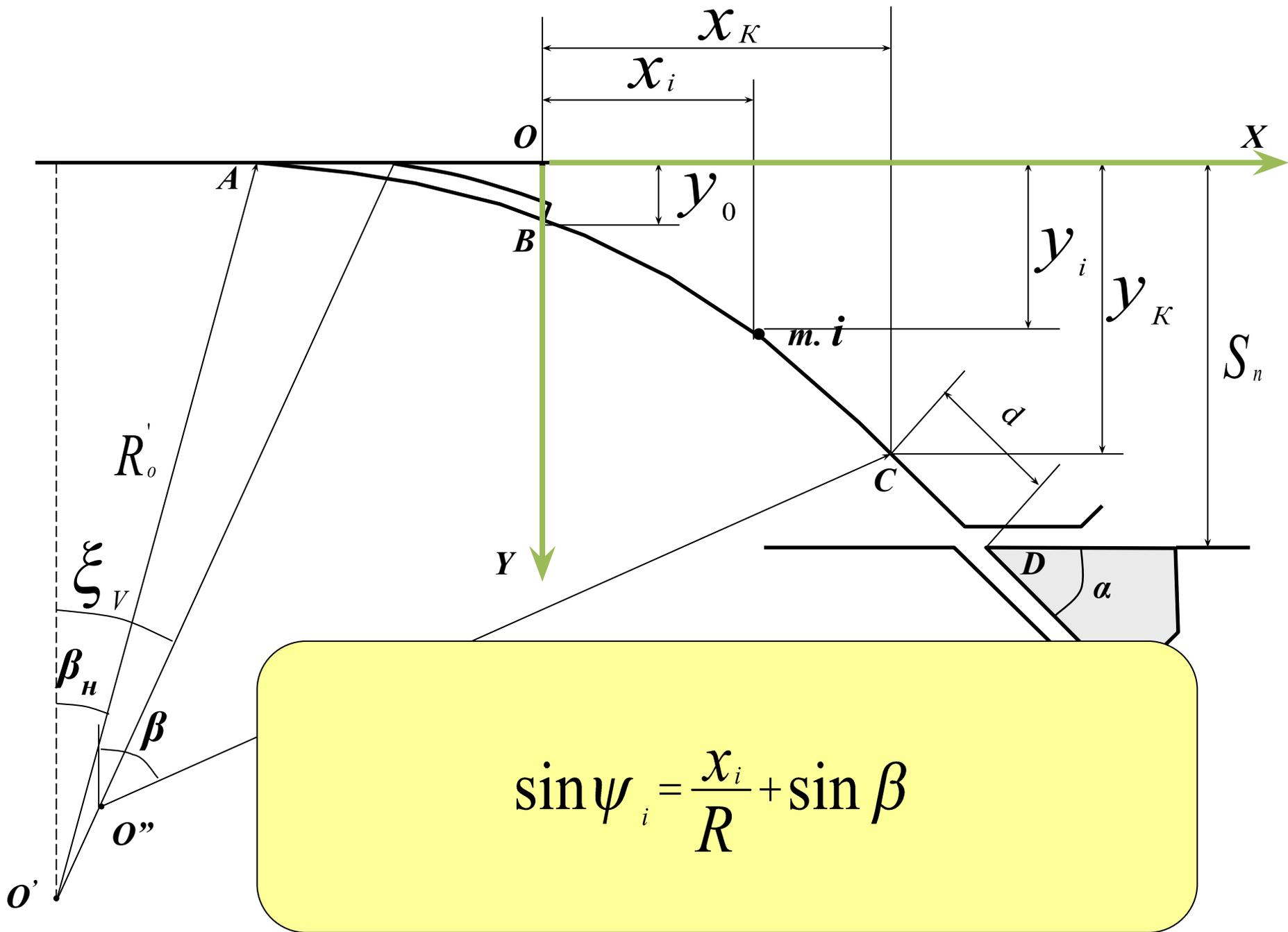






$$x_i = R (\sin \psi_i - \sin \beta)$$

$$y_i = y_0 + R (\cos \beta - \cos \psi_i)$$



$$\sin \psi_i = \frac{x_i}{R} + \sin \beta$$

