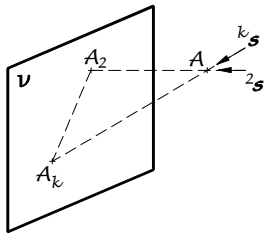
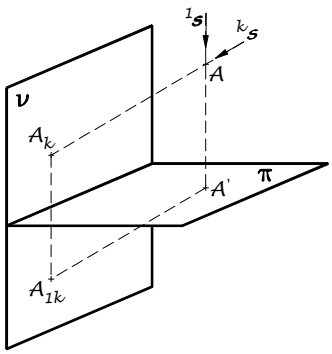
Kosoúhlé promítání

Užívá se k názornému zobrazování technických předmětů
Kosoúhlý průmět na průmětnu ν
+
a) pravoúhlý průmět do téže průmětny
b) pravoúhlý průmět do pomocné průmětny π
c) kombinace obou metod - technické kosoúhlé promítání

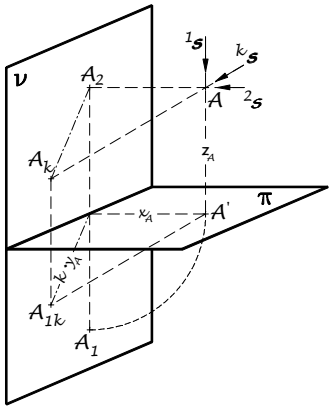
a)



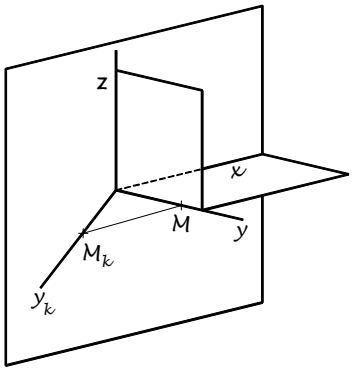
b)

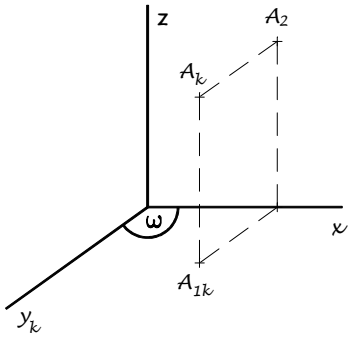


c)



Určení TKP : $\omega = \sphericalangle\ y_k\ x$ (resp. $x_k\ y$)
q ... zkrácení na ose y_k (resp. x_k) ... kvocient

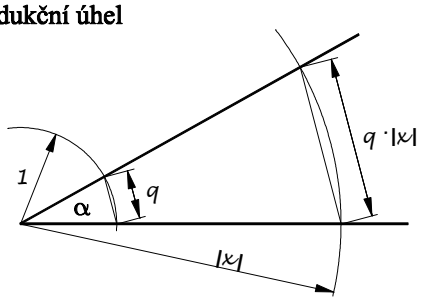




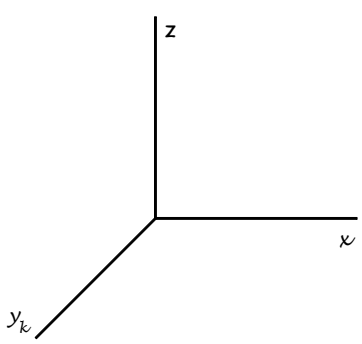
A_k ... kosoúhlý průmět bodu A

A_{1k} ... kosoúhlý půdorys bodu A

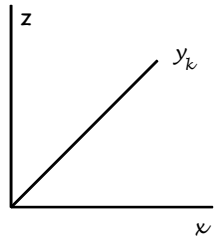
Redukční úhel



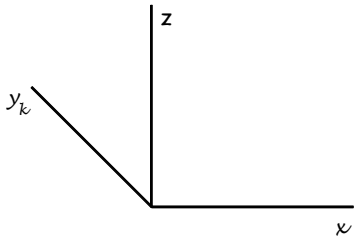
Zobrazení bodu v TKP



A[2,3,3] q = 1/3

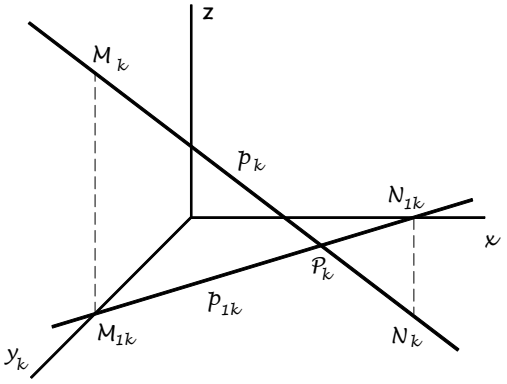


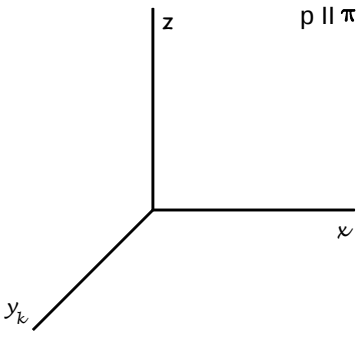
B[2,-2,3] q = 2/3

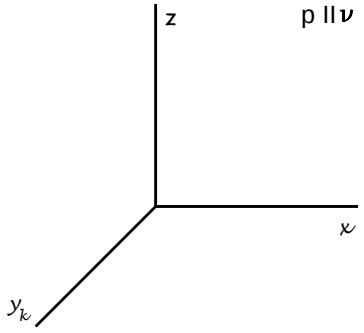


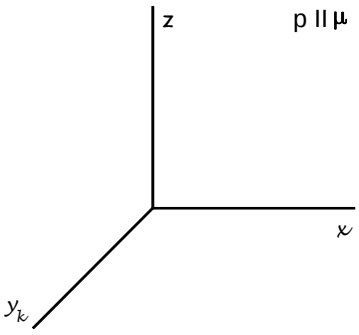
C[2,3,1] q = 1/2

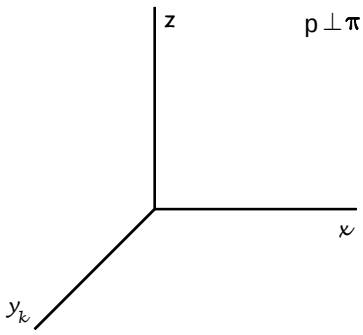
Zobrazení přímky v TKP

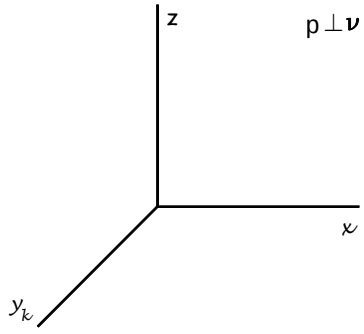


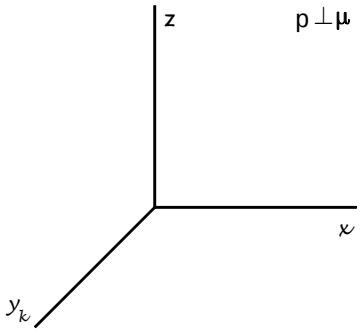




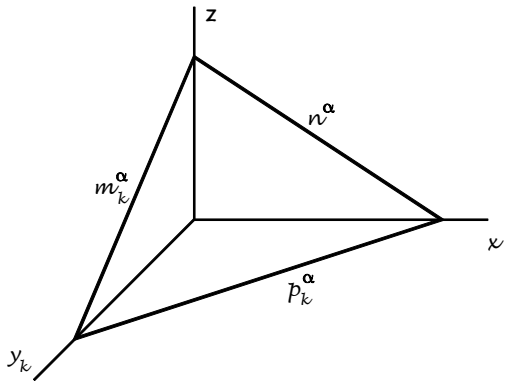


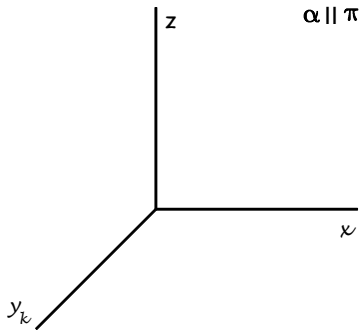


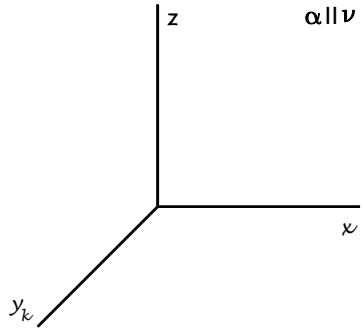


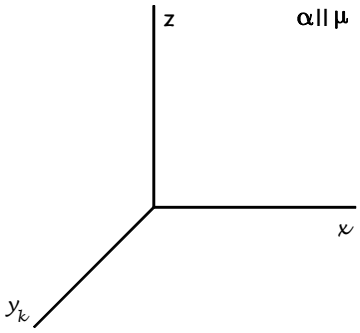


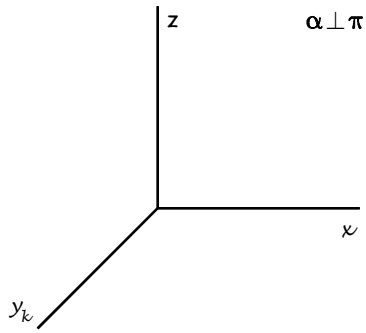
Zobrazení roviny v TKP

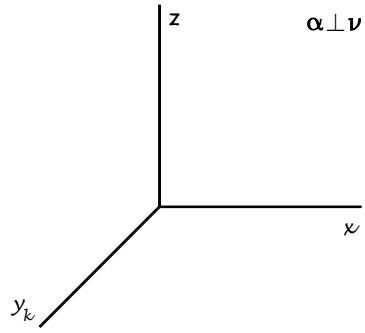


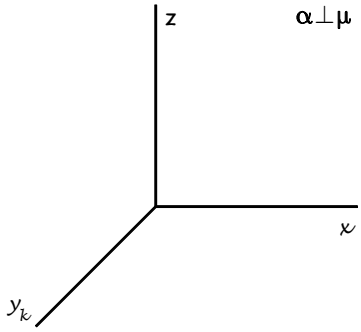




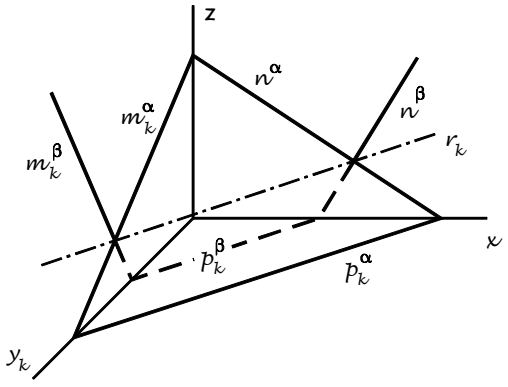








Průsečnice dvou rovin



Průsečík přímky s rovinou