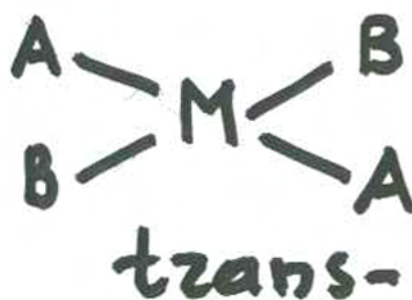


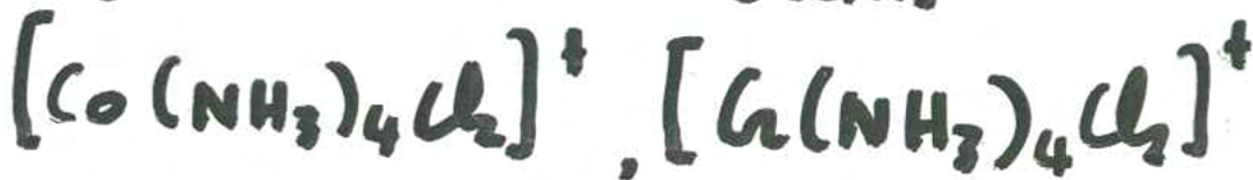
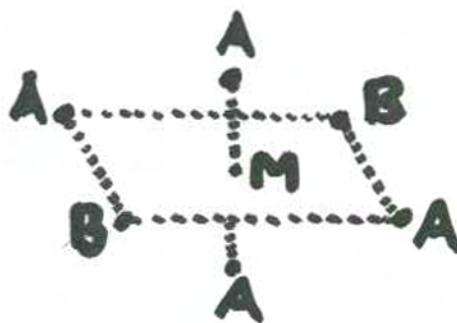
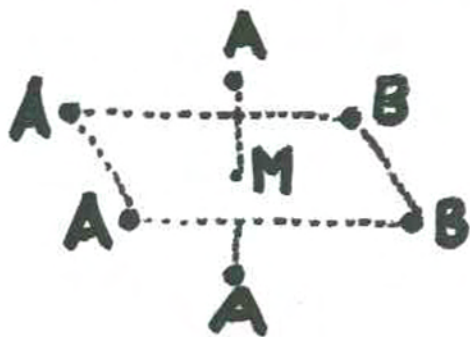
ΣΤΕΡΕΟΙΣΟΜΕΡΕΙΑ

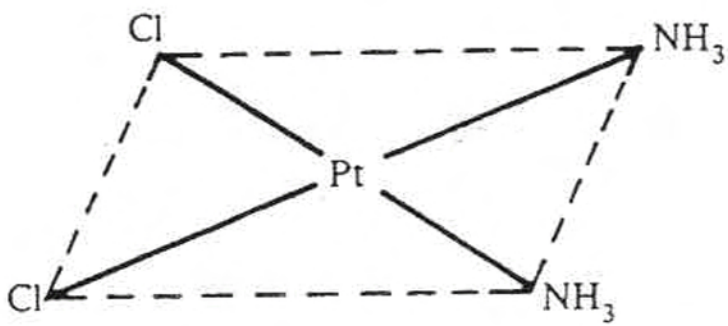
1. Γεωμετρική Ισομέρεια

α. Επίπεδα τετραγωνικά MA_2B_2

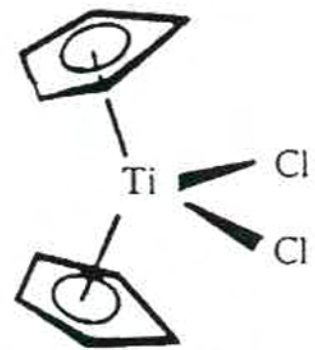


β. Οκταεδρικά



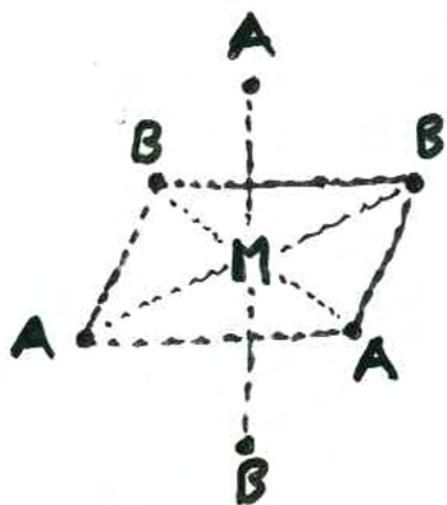


cisplatin

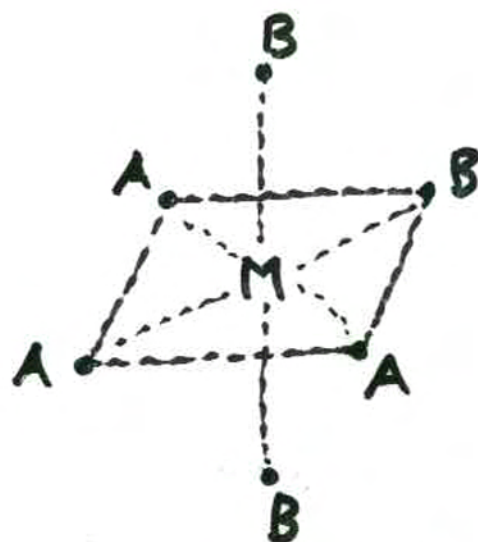
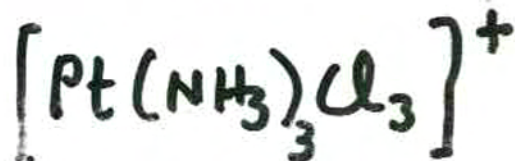


τιτανοκενοδιχλωρίδιο

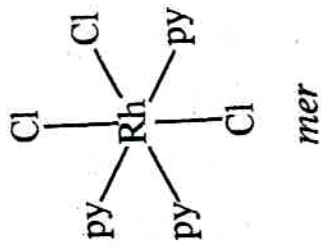
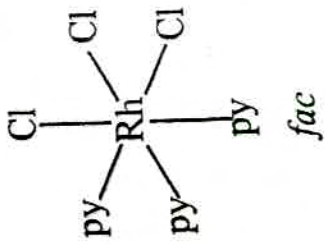
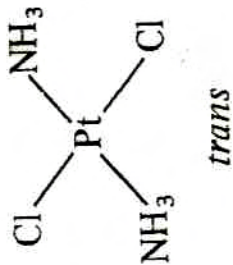
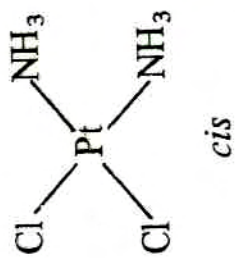
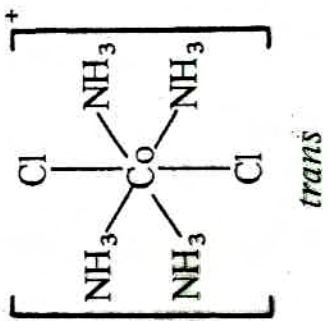
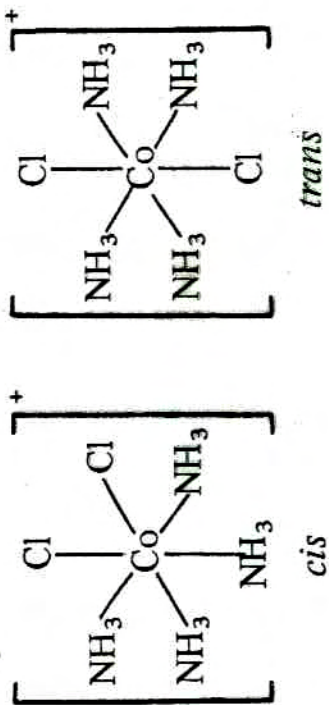
γ. οκταεδρικοί

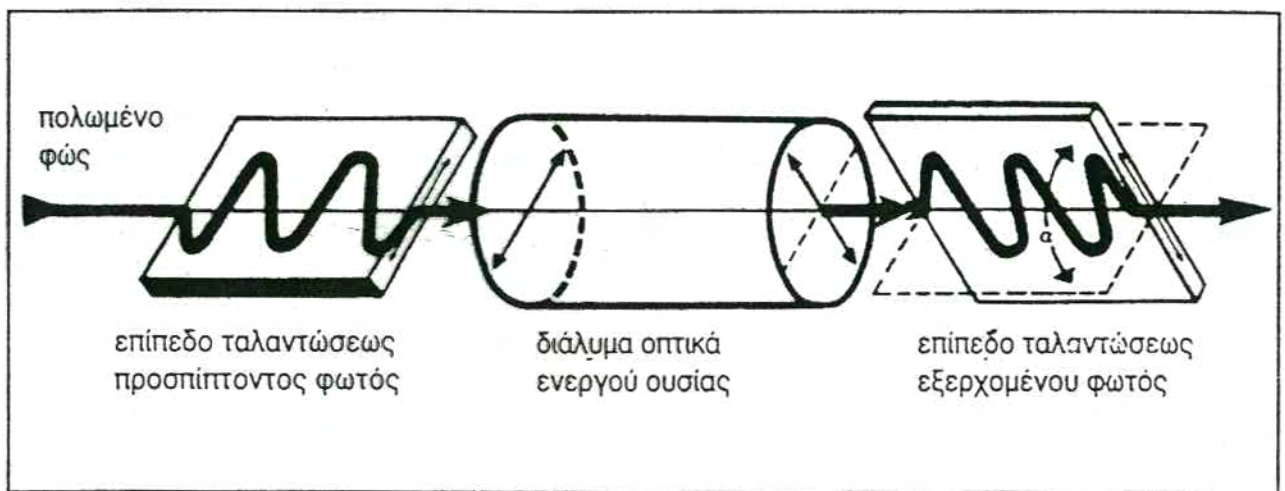


facial (fac)

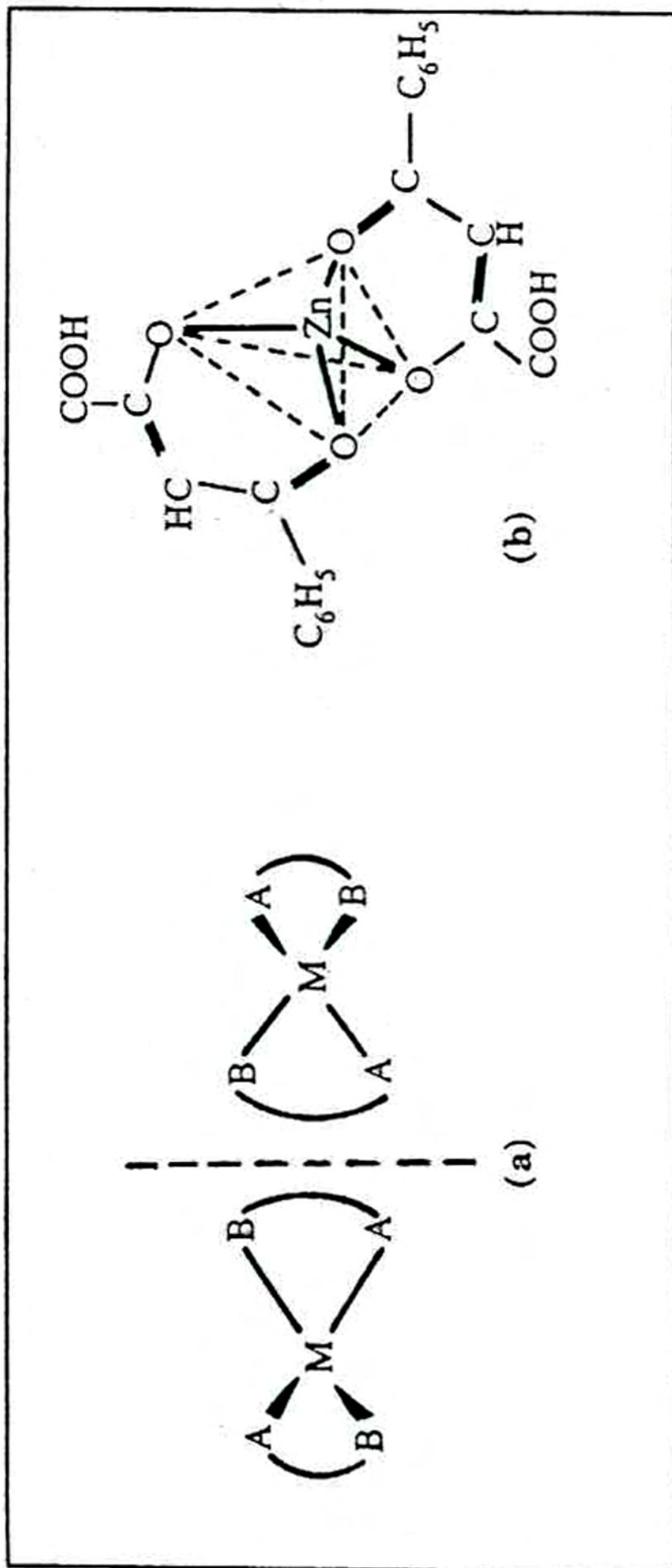


meridian (mer)



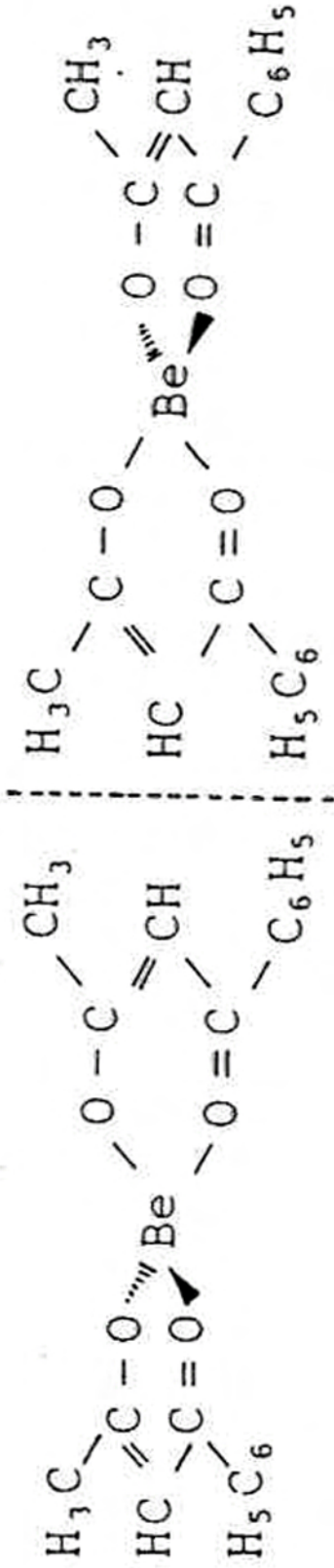


Σχηματική παράσταση τής στροφής τού επιπέδου ταλαντώσεως τού πολωμένου φωτός μετά την δίοδο του μέσω διαλύματος οπτικώς ενεργού ουσίας.

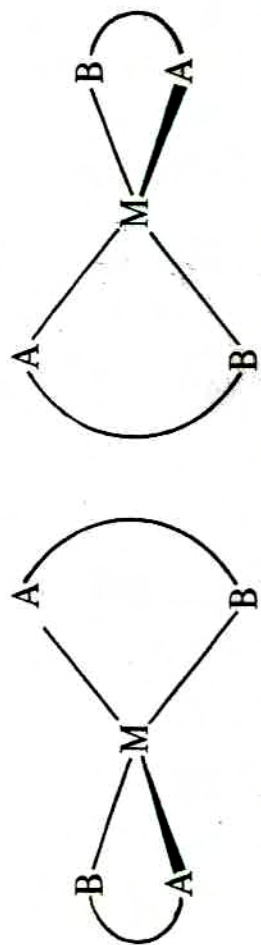


(a) Οπτικά ισομερή τετραεδρικά δις-χηλικά σύμπλοκα

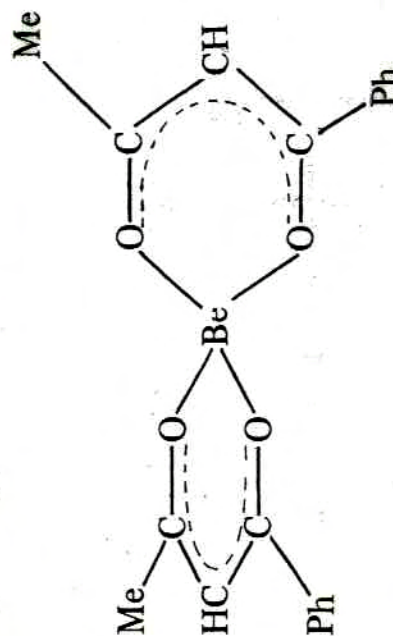
(b) Δις (βενζοϋλοπυρουβατο) ψευδάργυρος (II) σαν παράδειγμα της κατηγορίας (a).



δισ (βενζοϋλοακετυλοακετονάτο) βη·ρύλλιο (II)

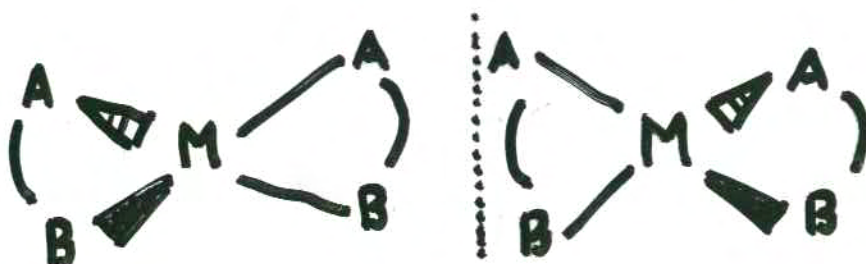


Beryllium(II), zinc(II), and boron(III) form resolvable chelates of this type. The letters A and B in the structures above do not represent necessarily different donor elements but rather the ends of unsymmetrical chelates. Thus a typical example is bis(benzoylacetato)beryllium(II)

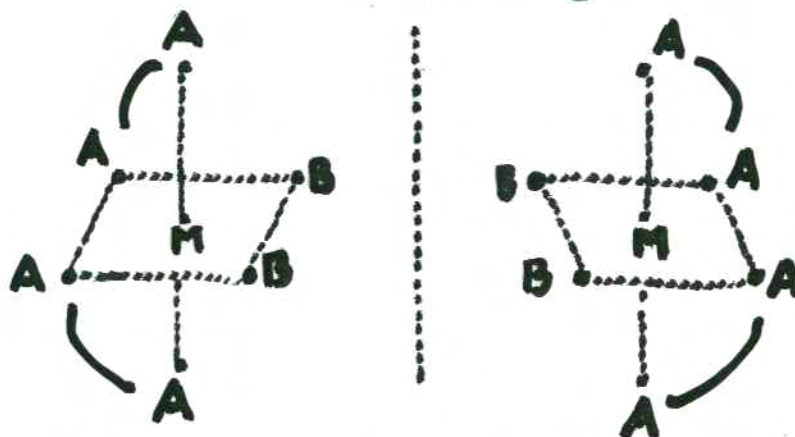


2. ὀπτική ἰσομείρεια

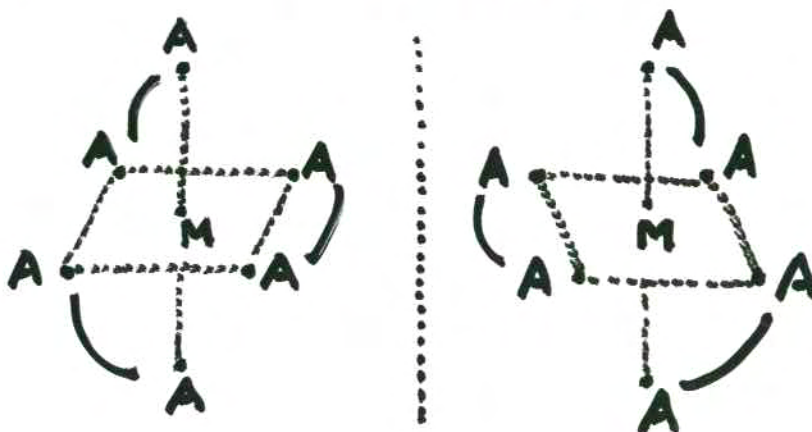
α. Δις-χηλικά τετραεδρικά σύμπλοκα

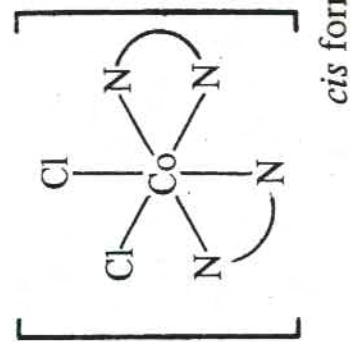
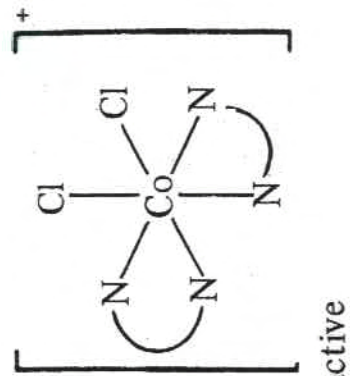
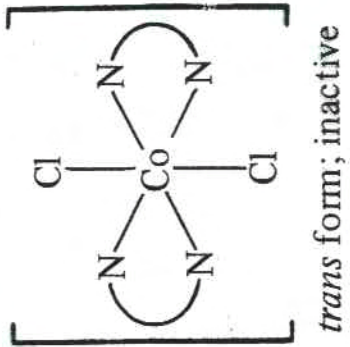


β. cis-δις-χηλικά ὀκταεδρικά σύμπλοκα

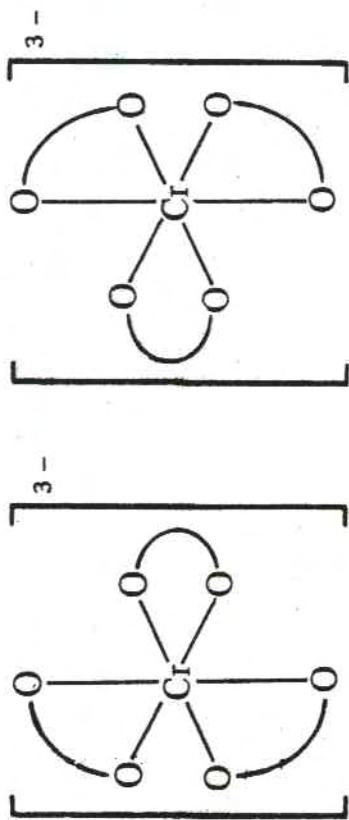


γ. τρις-χηλικά ὀκταεδρικά σύμπλοκα





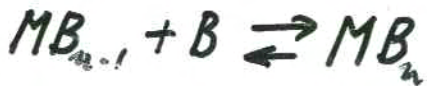
Complexes of the type $M(L-L)_3$ can be exemplified by the tris(oxalato)chromate(III) anion



ΘΕΡΜΟΔΥΝΑΜΙΚΗ ΣΤΑΘΕΡΟΤΗΤΑ



$$K_1 = \frac{(MB)}{(M)(B)}$$



$$K_n = \frac{(MB_n)}{(MB_{n-1})(B)}$$

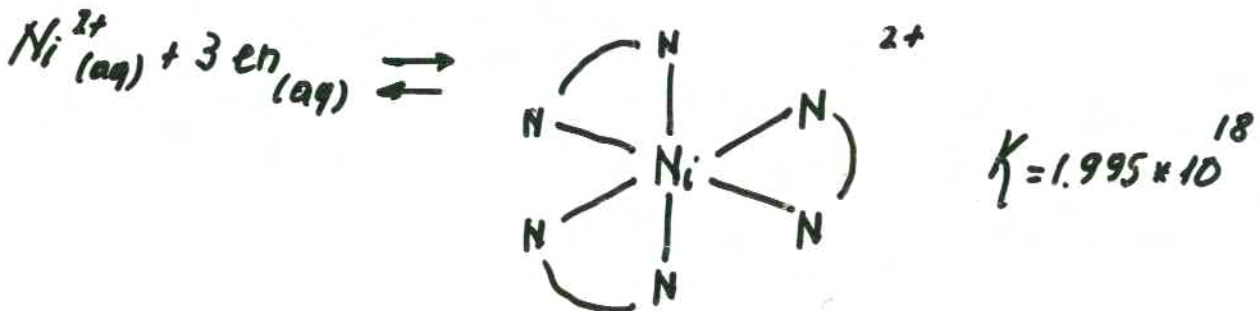
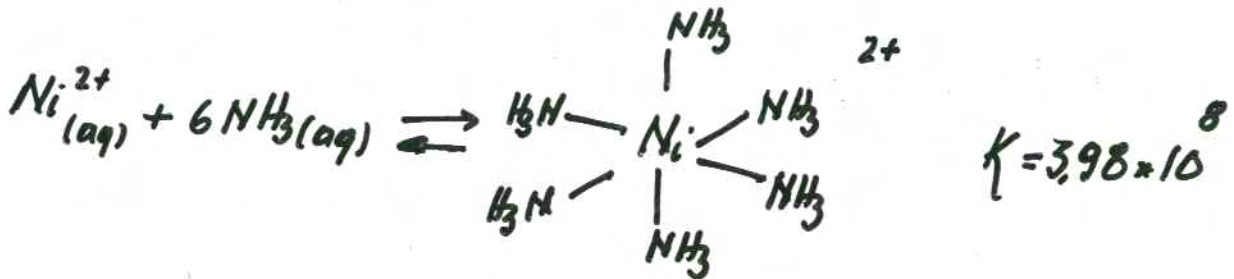


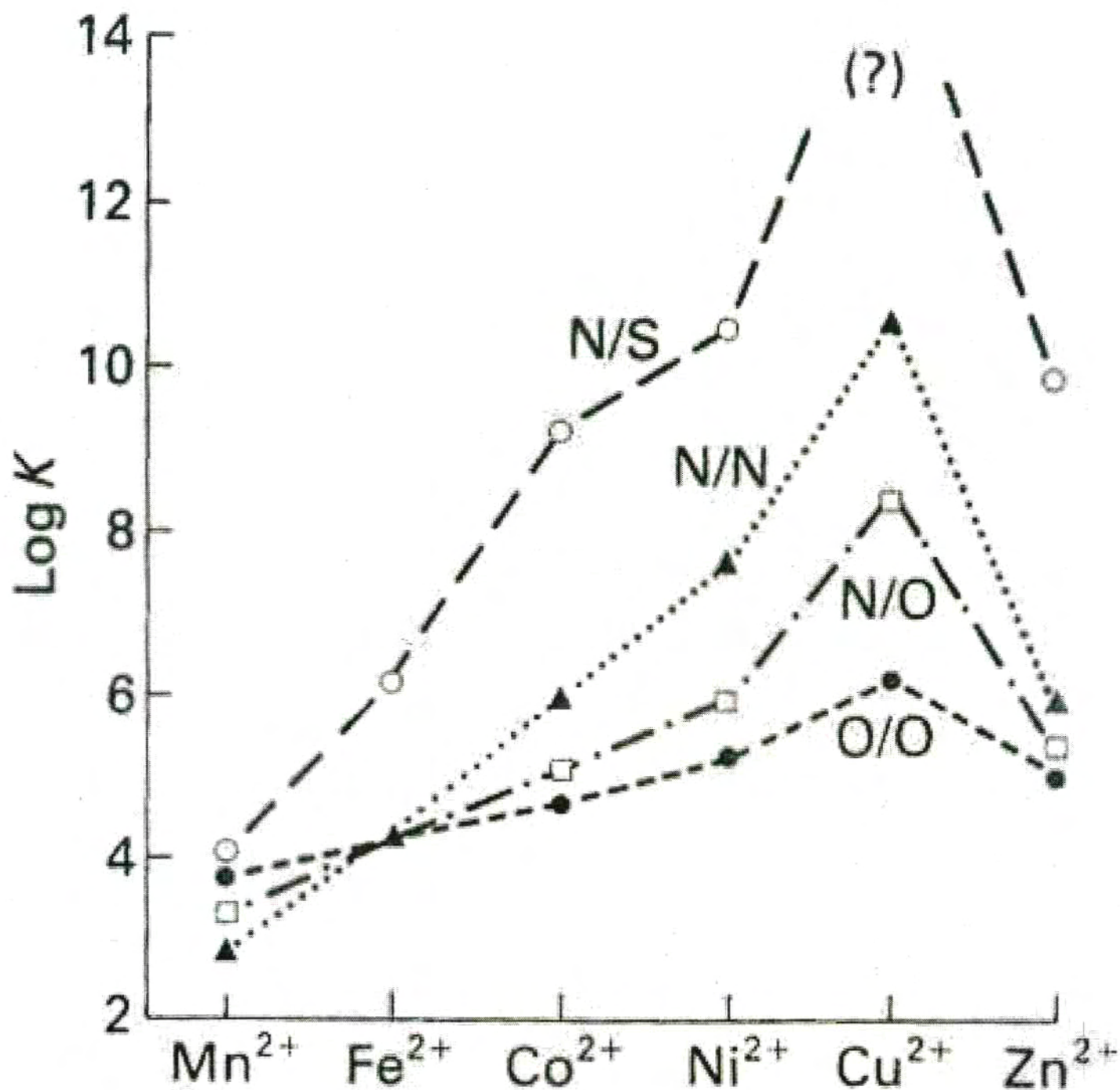
$$\beta_1 = \frac{(MB)}{(M)(B)}$$



$$\beta_n = \frac{(MB_n)}{(M)(B)^n}$$

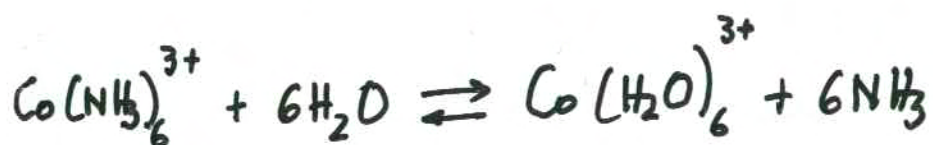
$$K_{\text{αστ}} = \frac{1}{K_{\text{σχημ}}}$$





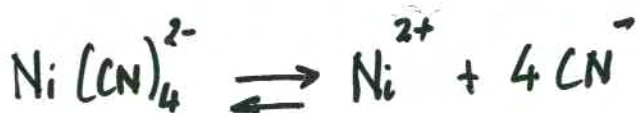
A plot of binding constants, log K, for a series of single ligands with the divalent ions from Mn²⁺ to Zn²⁺. The ligands are cystein (○); ethylenediamine (▲); glycine (□); and oxalate (●).

ΚΙΝΗΤΙΚΗ ΣΤΑΘΕΡΟΤΗΤΑ



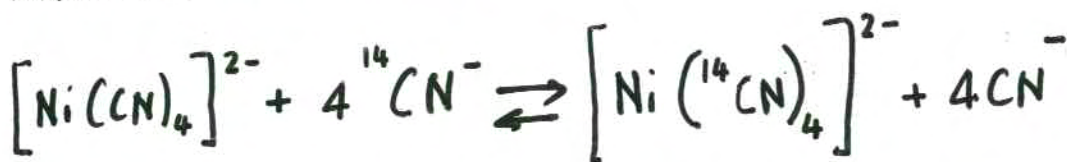
$$K = 10^{-25}$$

Κινητικά άνω! είναι ΣΤΑΘΕΡΟ (άδρανές)
η ισορροπία αποκαθίσταται ΑΡΓΑ

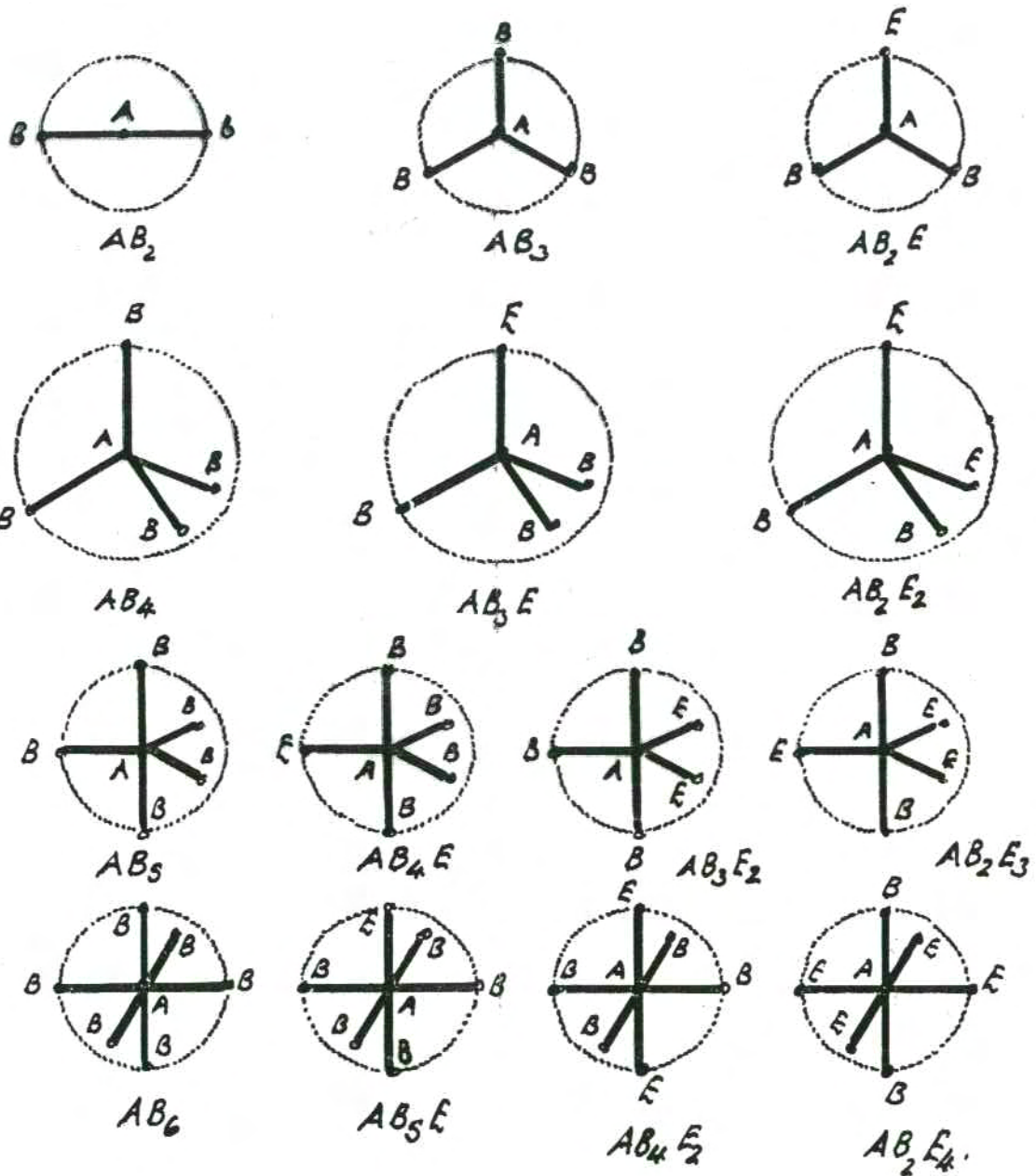


$$K = 10^{-22}$$

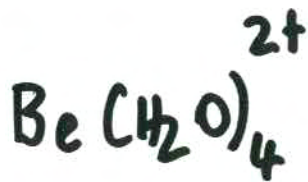
η ταχύτητα αποκατάστασης της ισορροπίας
είναι πολύ μεγάλη.
Κινητικά είναι ΕΥΚΙΝΗΤΟ.



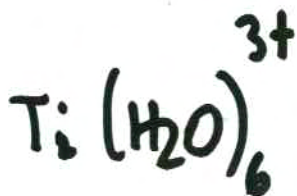
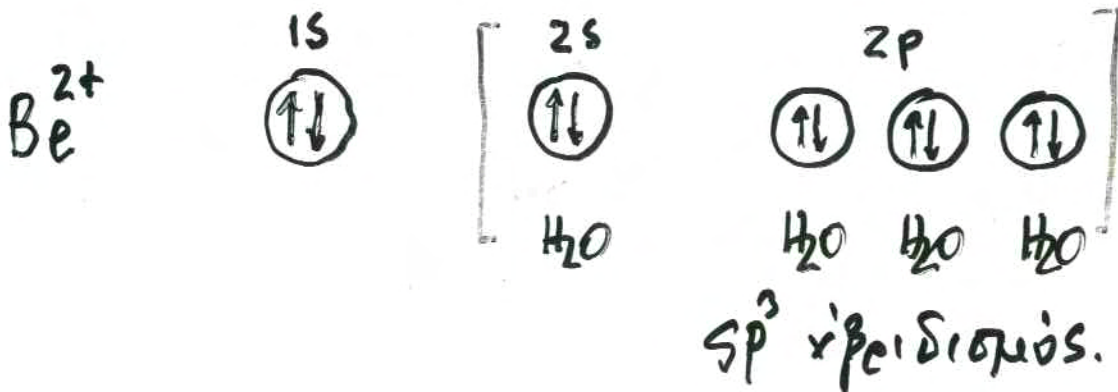
$$t_{1/2} = 30\text{s}$$



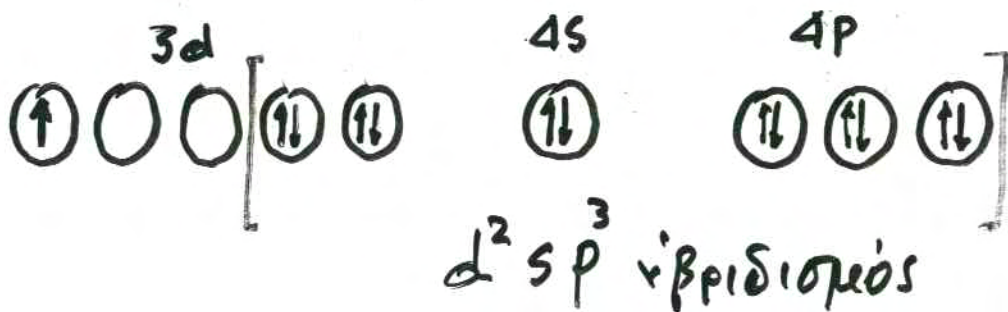
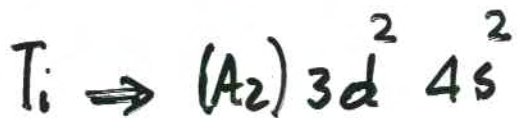
A = κεντρικό άτομο
 B = περιφερειακό άτομο
 E = μη δομικά ζεύγη ή αλληλεπικρίαν επί κεντρικό άτομο A .



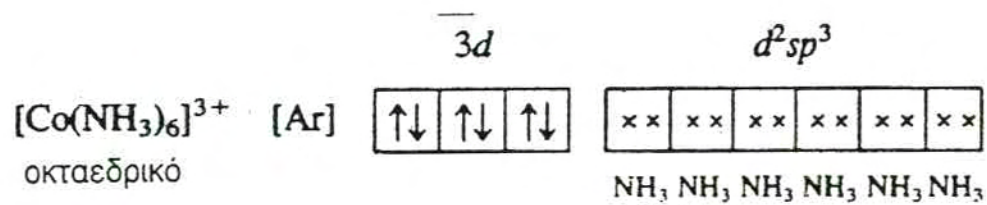
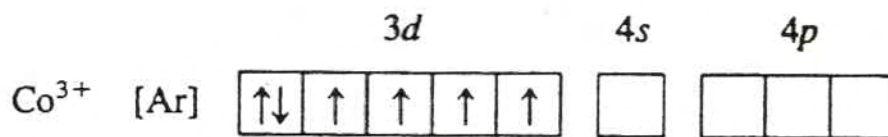
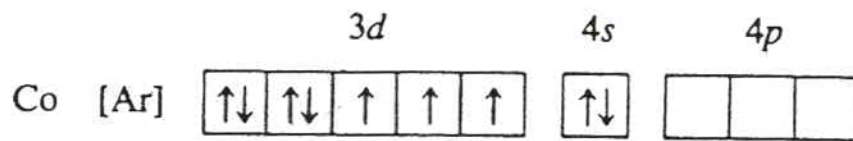
$$Z_{\text{Be}} = 4 \quad (1s^2 2s^2)$$



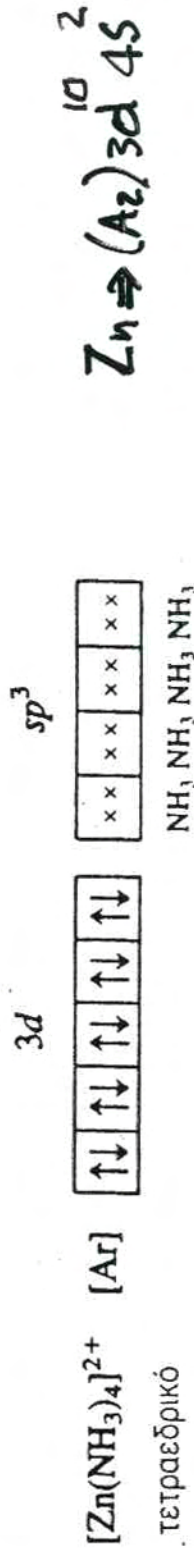
$$Z_{\text{Ti}} = 22$$



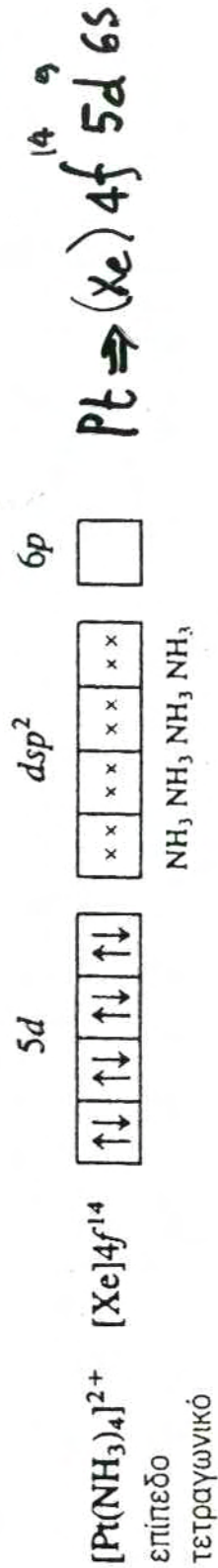
$Z=27$



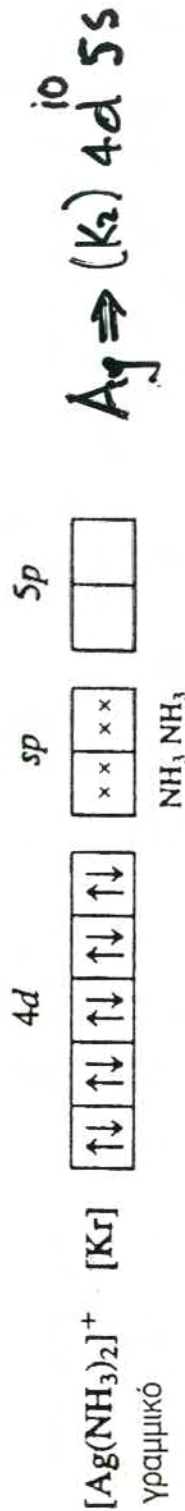
$$Z_{Zn} = 30$$

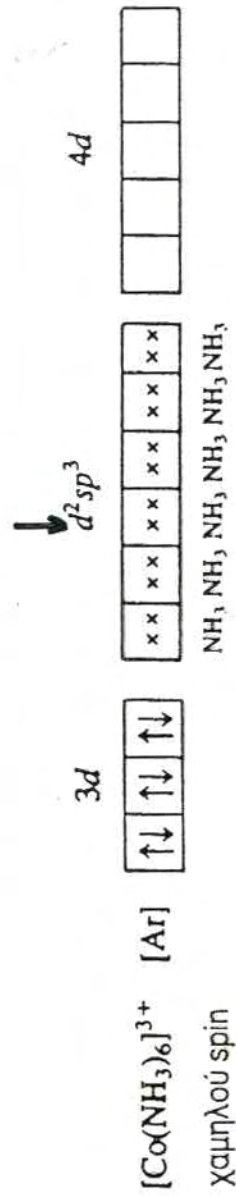
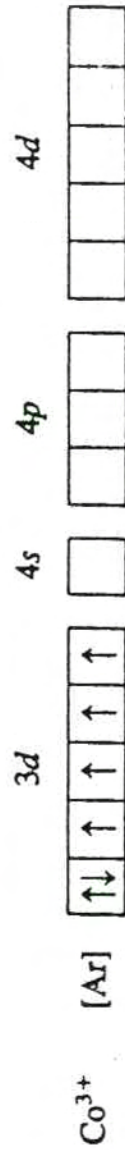


$$Z_{Pt} = 78$$

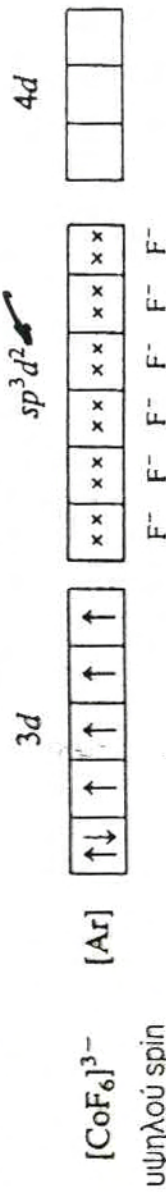


$$Z_{Ag} = 47$$

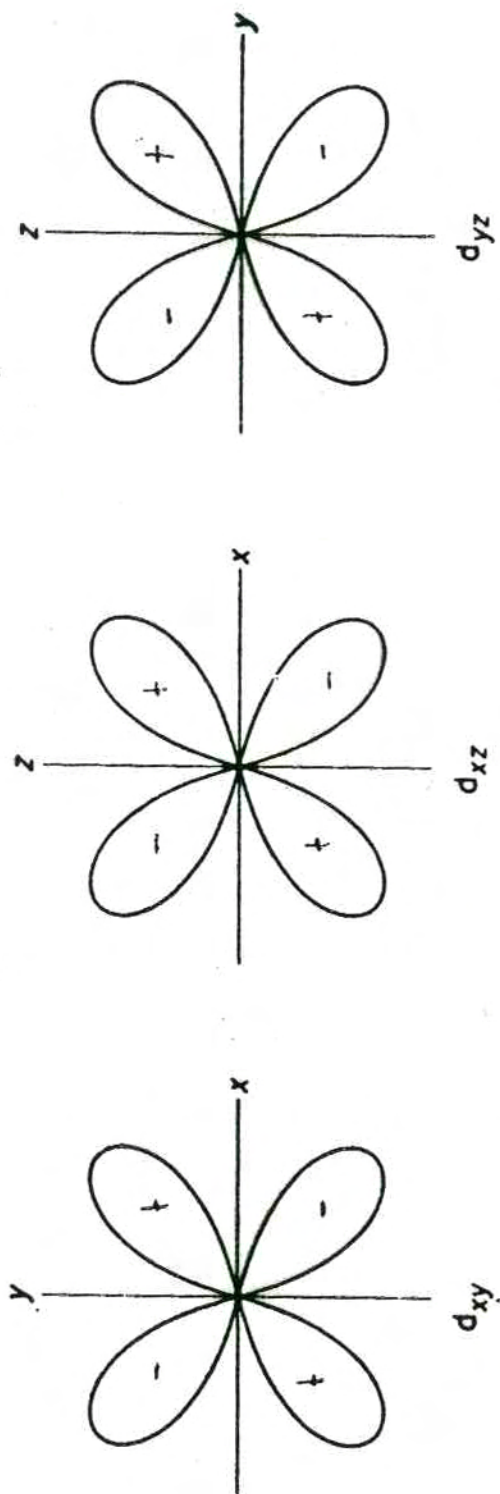
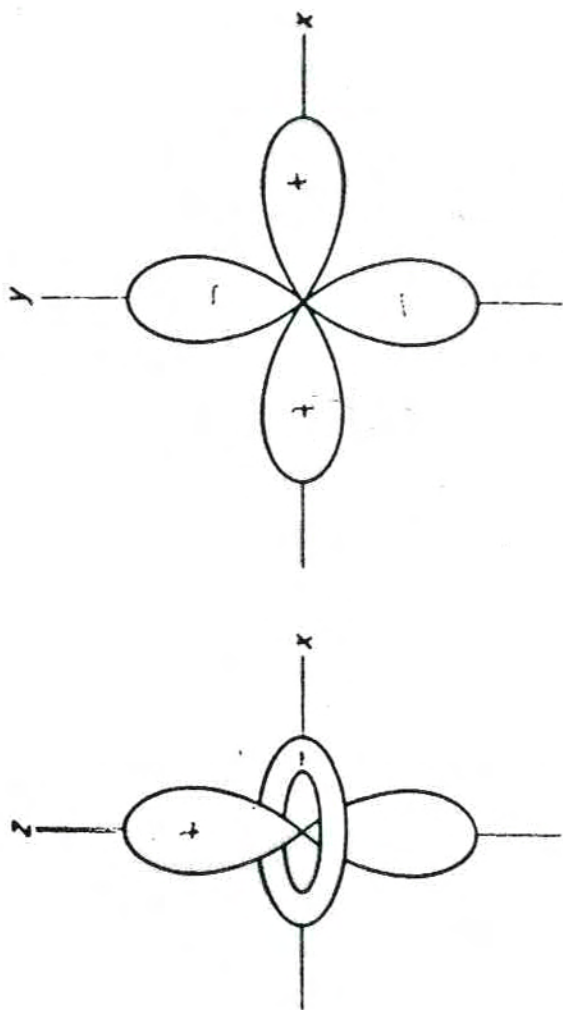




βύκηλο κά
 εξωτερικών
 τροχιακών



βύκηλο κά
 εξωτερικών
 τροχιακών



The electron-density distribution in the d orbitals