

Fig. 416. DOS curves of d bands of Co and V atoms in Co_2VGa . For explanation of the curves see Fig. 415 [9111].

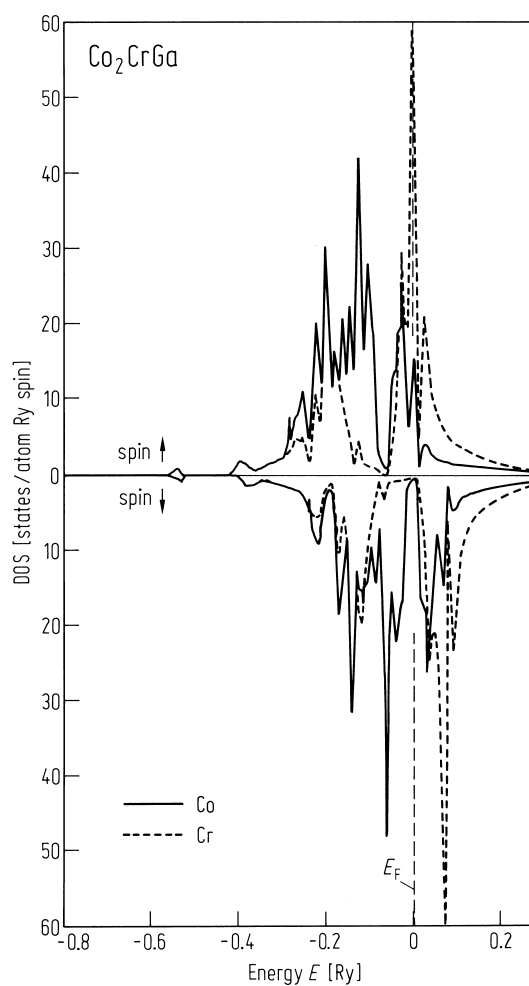


Fig. 417. DOS curves of d bands of Co and Cr atoms in Co_2CrGa . For explanation of the curves see Fig. 415 [9111].

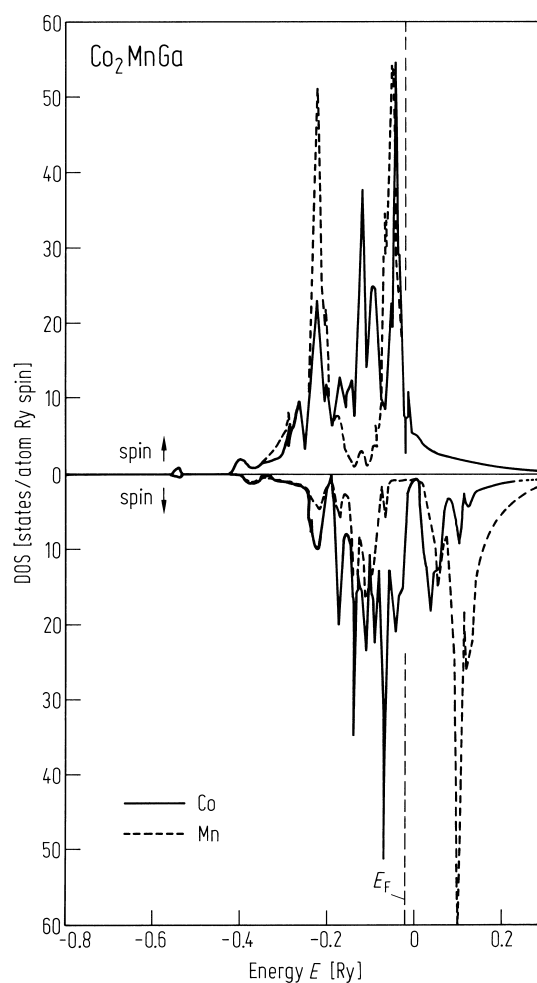


Fig. 418. DOS curves of d bands of Co and Mn atoms in Co_2MnGa . For explanation of the curves see Fig. 415 [9111].

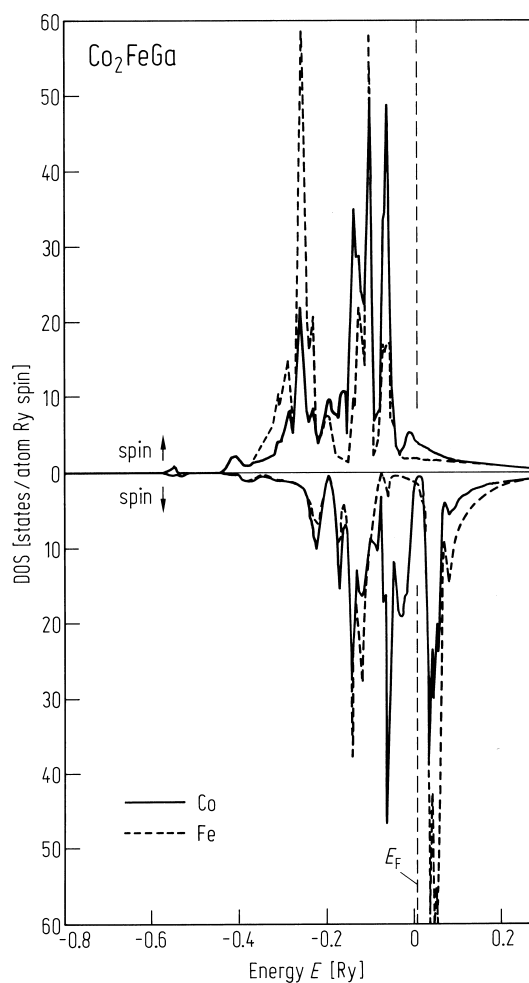


Fig. 419. DOS curves of d bands of Co and Fe atoms in Co_2FeGa . For explanation of the curves see Fig. 415 [9111].

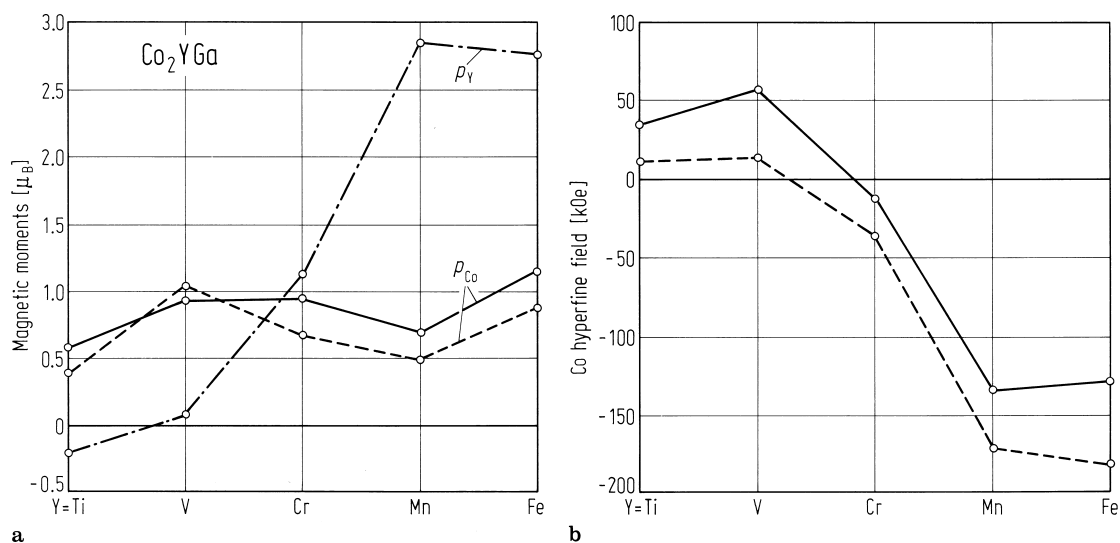


Fig. 420. Magnetic moments and hyperfine fields of Co_2YGa ($\text{Y} = \text{Ti, V, Cr, Mn, Fe}$). Calculated and experimental values are listed in Table 90. Magnetic moments of Co and Y atoms are shown in (a), where full and chain curves show calculated values of Co

and T atoms respectively. A broken curve shows experimental values of Co atoms. Hyperfine fields of Co atoms are shown in (b), where full and broken curves show calculated and experimental values respectively [9111].

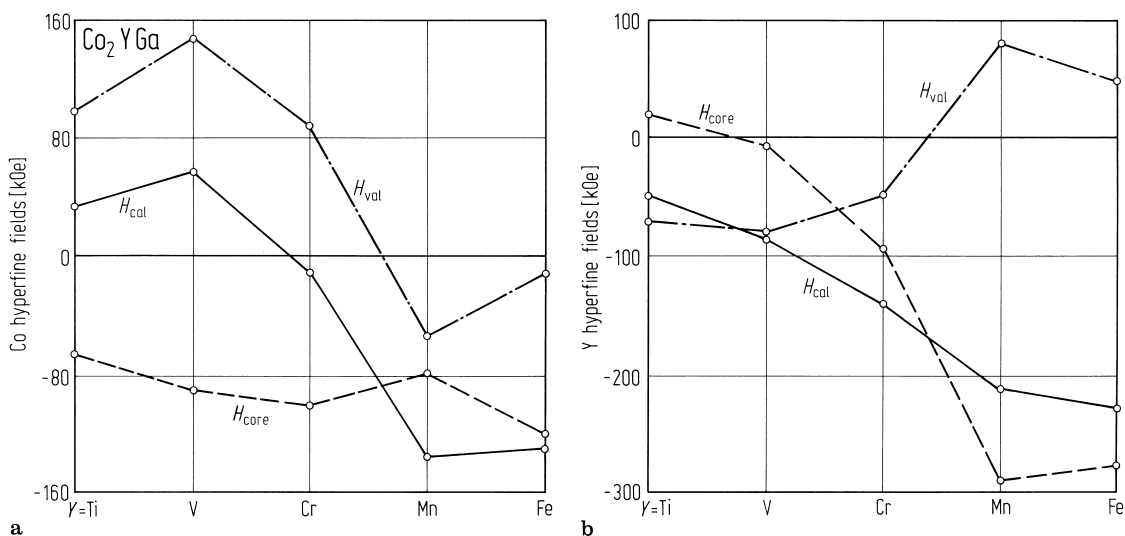


Fig. 421. (a) Hyperfine fields of Co atoms in Co_2YGa ($\text{Y} = \text{Ti, V, Cr, Mn, Fe}$). Calculated and experimental values are listed in Table 90. Broken and chain curves show H_{cal} , H_{core} and H_{val} respectively. H_{cal} is a calculated value and H_{val} and H_{core} are the contributions to

H_{cal} from inner core s electrons and valence s electrons respectively. (b) Hyperfine fields of Y atoms are shown, where full, broken and chain curves show H_{cal} , H_{core} and H_{val} respectively [9111].

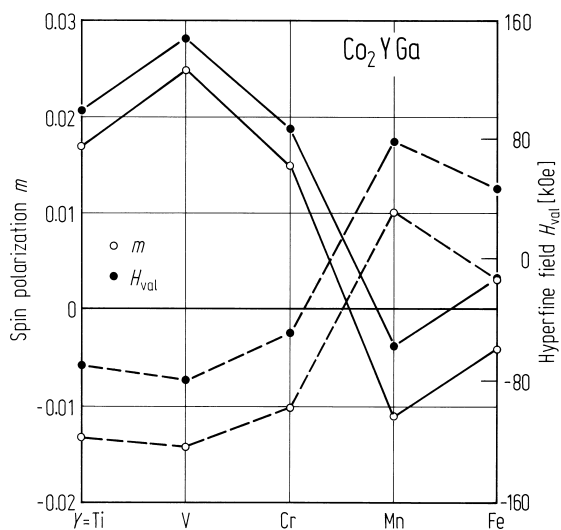


Fig. 422. Spin polarisations m and hyperfine fields H_{val} of Co and Y atoms in Co_2YGa ($Y = \text{Ti}, \text{V}, \text{Cr}, \text{Mn}, \text{Fe}$). The full and broken curves show Co and Y atoms. H_{val} is a contribution to the hyperfine field from valence s electrons, which is listed in Table 89 [911].

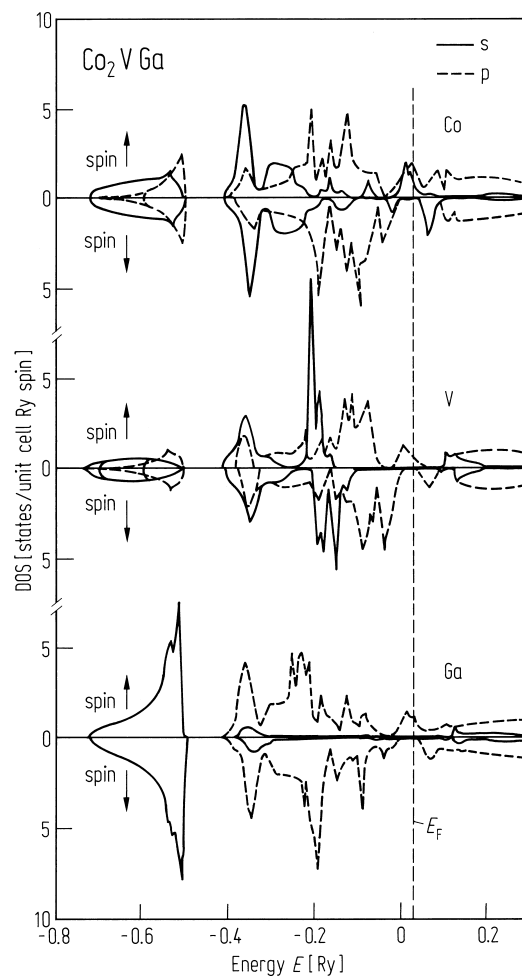
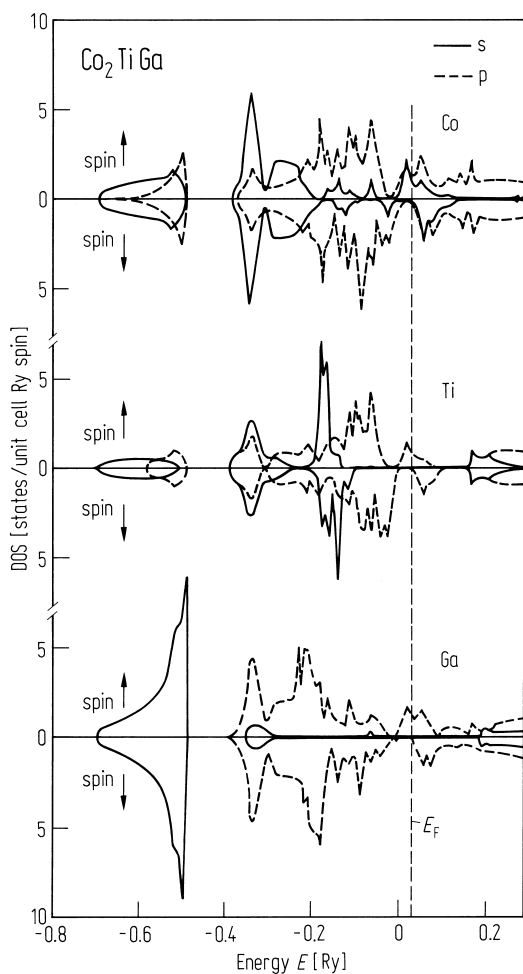


Fig. 424. DOS curves of s and p bands of constituent atoms in Co_2VGa . For explanation of the curves see Fig. 423 [911].

Fig. 423. DOS curves of s and p bands of constituent atoms in Co_2TiGa . The full and broken curves show the DOS of s and p bands respectively and the DOS curves for up-spin electrons are shown in the upper part and those for down-spin electrons are shown in the lower part. The Fermi level is indicated by the vertical broken line [911].

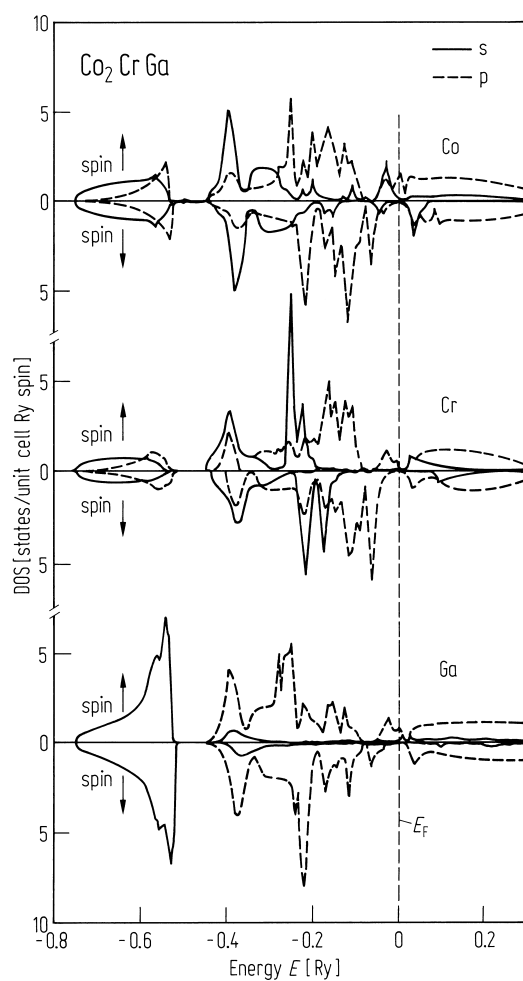


Fig. 425. DOS curves of s and p bands of constituent atoms in Co_2CrGa . For explanation of the curves see Fig. 423 [9111].

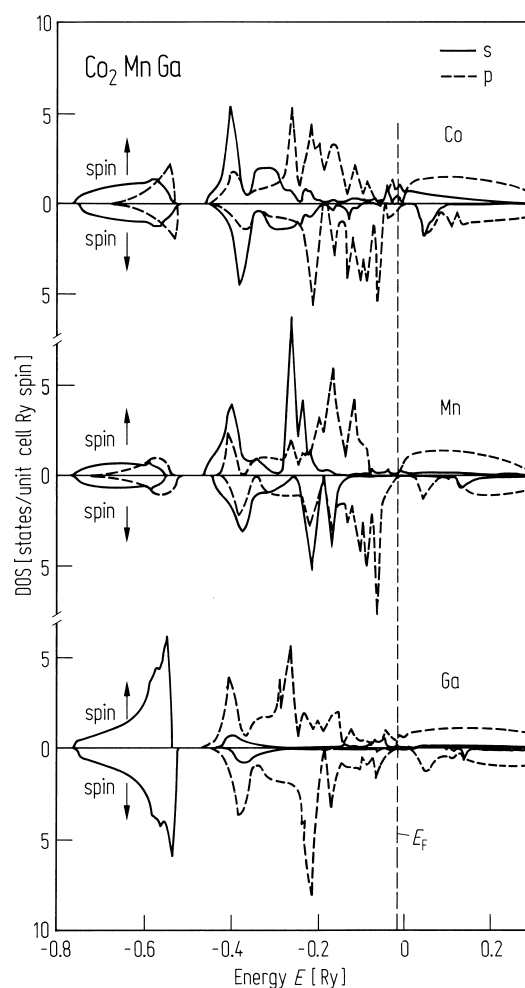


Fig. 426. DOS curves of s and p bands of constituent atoms in Co_2MnGa . For explanation of the curves see Fig. 423 [9111].

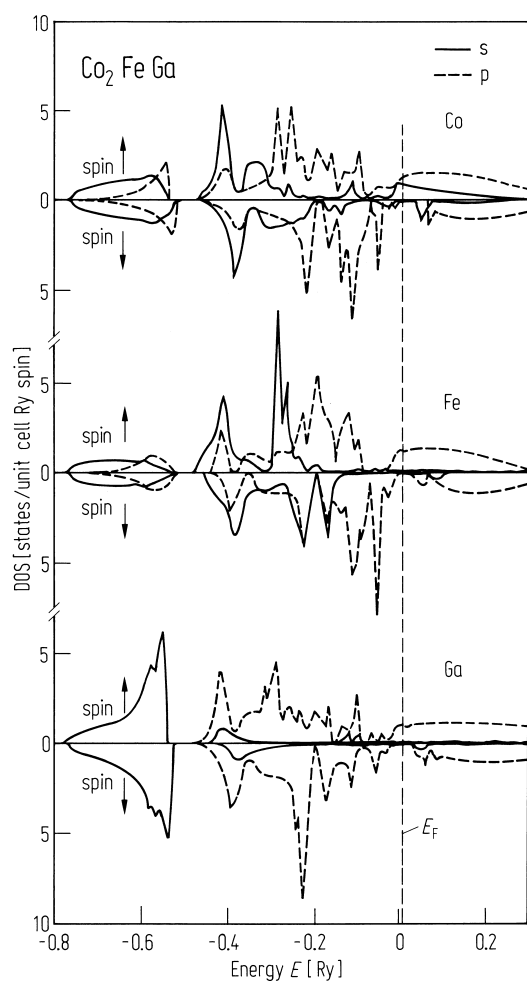


Fig. 427. DOS curves of s and p bands of constituent atoms in Co_2FeGa . For explanation of the curves see Fig. 423 [91I1].

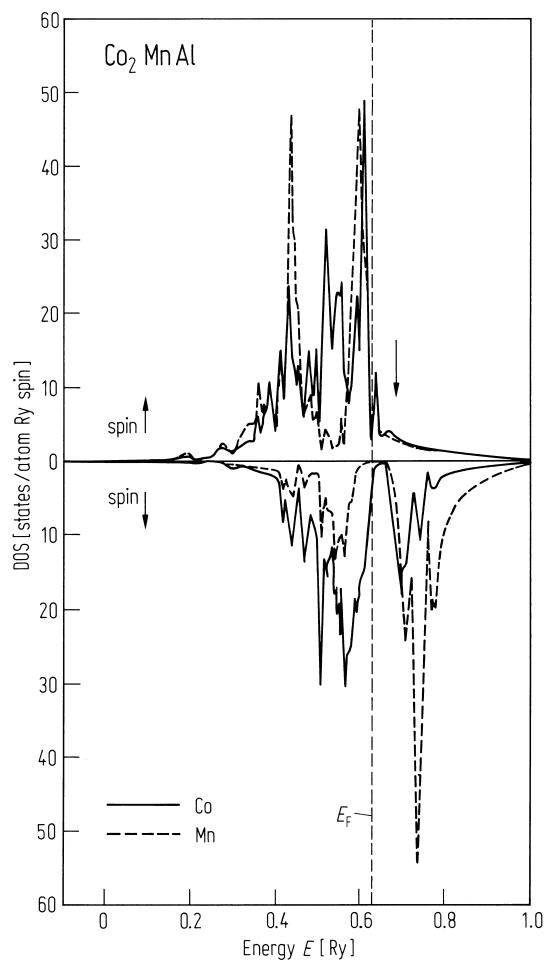


Fig. 428. DOS curves of d bands and of Co and Mn atoms in Co_2MnAl . The full and broken curves show the DOS of Co and Mn atoms respectively and the DOS curves for up-spin electrons are shown in the upper part and those for down-spin in the lower part. The Fermi level is indicated by the vertical broken line. An arrow shows the Fermi level when one electron per molecule is added to Co_2MnX [90F2].

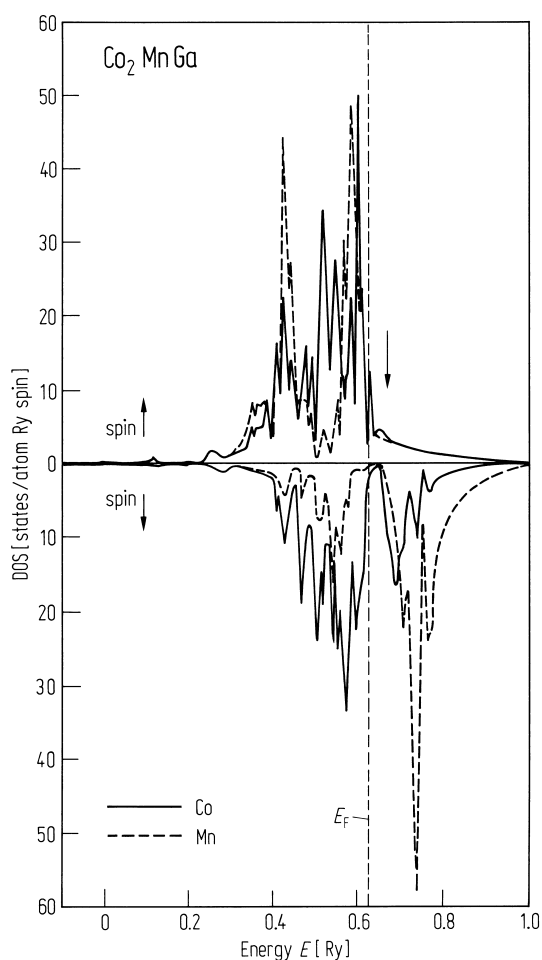


Fig. 429. DOS curves of d bands and of Co and Mn atoms in Co_2MnGa . For explanation of the curves see Fig. 428. An arrow shows the Fermi level when one electron per molecule is added to Co_2MnGa [90F2].

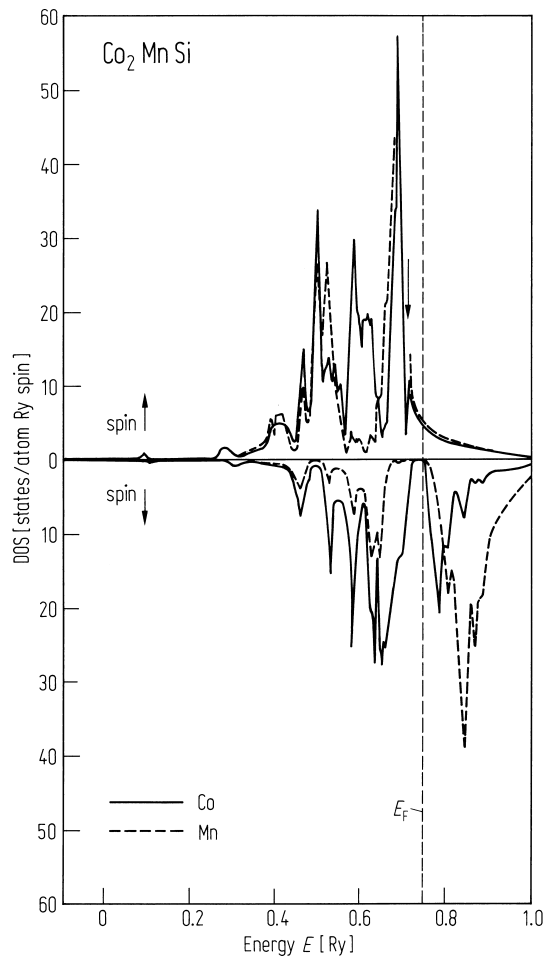


Fig. 430. DOS curves of d bands and of Co and Mn atoms in Co_2MnSi . For explanation of the curves see Fig. 428. An arrow shows the Fermi level when one electron per molecule is removed from Co_2MnSi [90F2].

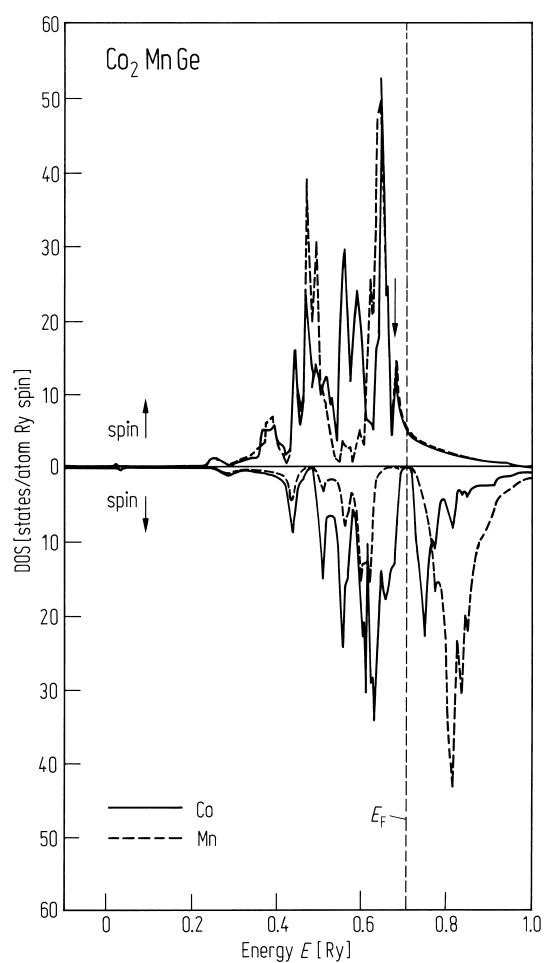


Fig. 431. DOS curves of d bands and of Co and Mn atoms in Co_2MnGe . For explanation of the curves see Fig. 428. An arrow shows the Fermi level when one electron per molecule is removed from Co_2MnGe [90F2].

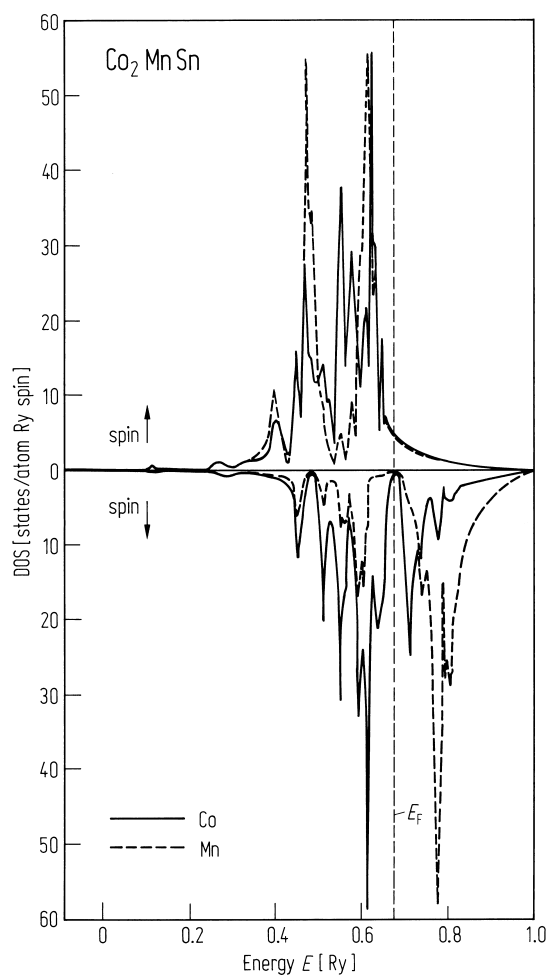


Fig. 432. DOS curves of d bands and of Co and Mn atoms in Co_2MnSn . For explanation of the curves see Fig. 428 [90F2].

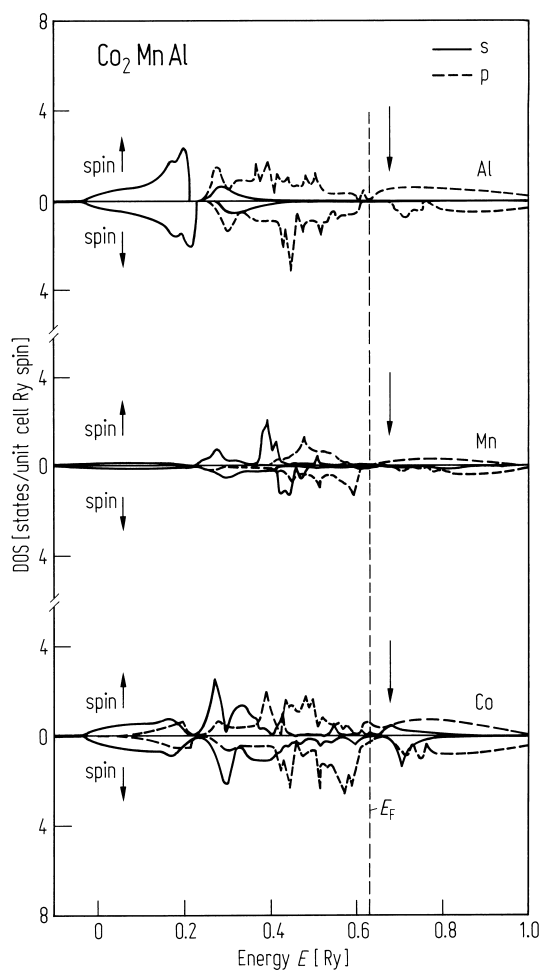


Fig. 433. DOS curves of s and p bands of constituent atoms in Co_2MnAl . The full and broken curves show the DOS of s and p bands respectively and the DOS curves for up-spin electrons are shown in the upper part and those for down-spin in the lower part. The Fermi level is indicated by the vertical broken line. An arrow shows the Fermi level when one electron per molecule is added to Co_2MnAl [90F2].

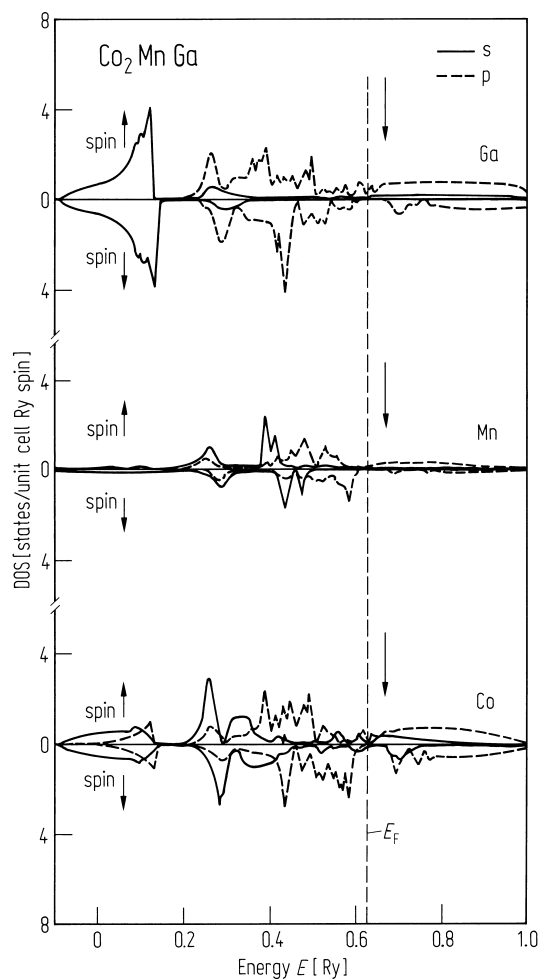


Fig. 434. DOS curves of s and p bands of constituent atoms in Co_2MnGa . For explanation of the curves see Fig. 433. An arrow shows the Fermi level when one electron per molecule is added to Co_2MnGa [90F2].

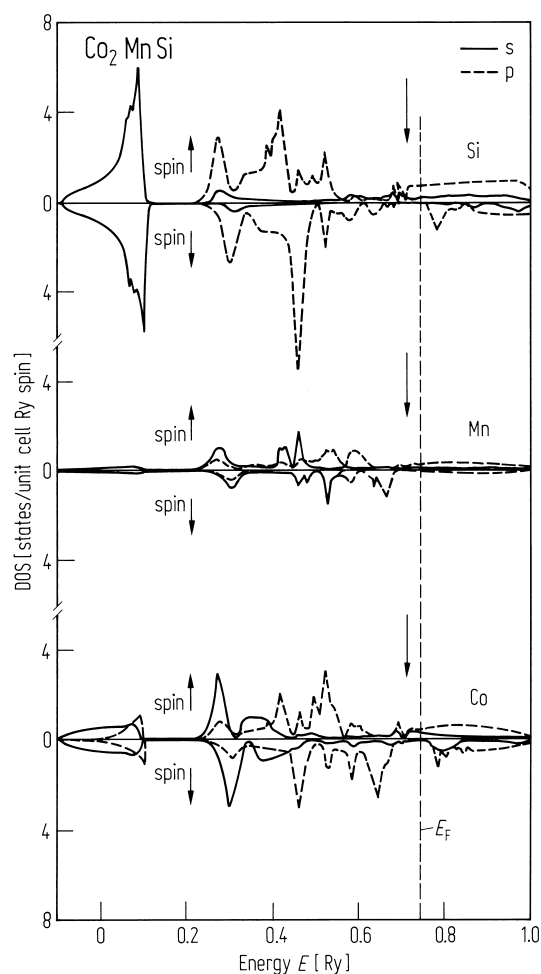


Fig. 435. DOS curves of s and p bands of constituent atoms in Co_2MnSi . For explanation of the curves see Fig. 433. An arrow shows the Fermi level when one electron per molecule is removed from Co_2MnSi [90F2].

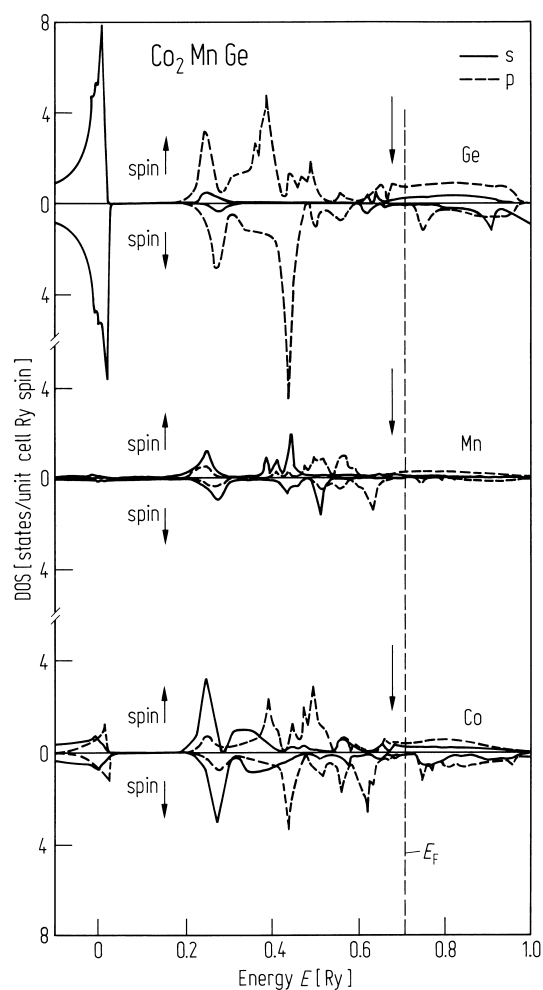


Fig. 436. DOS curves of s and p bands of constituent atoms in Co_2MnGe . For explanation of the curves see Fig. 433. An arrow shows the Fermi level when one electron per molecule is removed from Co_2MnGe [90F2].

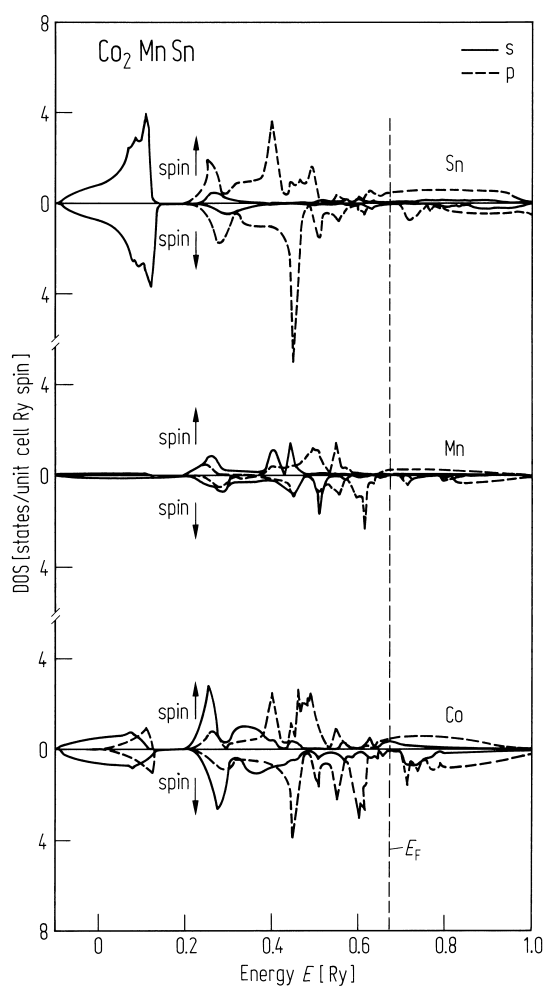


Fig. 437. DOS curves of s and p bands of constituent atoms in Co_2MnSn . For explanation of the curves see Fig. 433 [90F2].

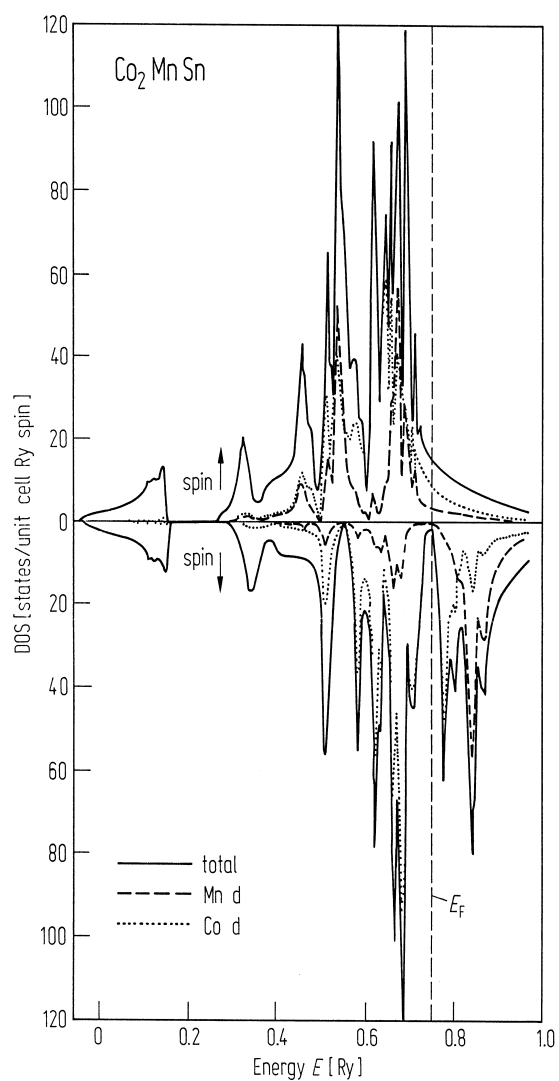


Fig. 438. DOS curves of Co_2MnSn calculated using the LSD (Local Spin Density) method [84I2].

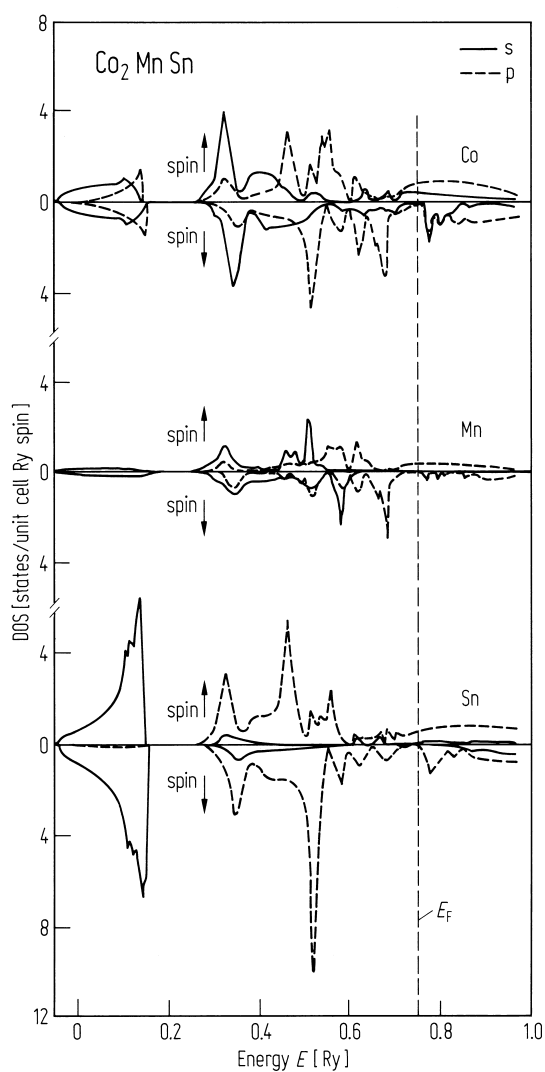


Fig. 439. DOS curves of the s and p states of Co, Mn and Sn in the Co_2MnSn calculated using the LSD method [8412].

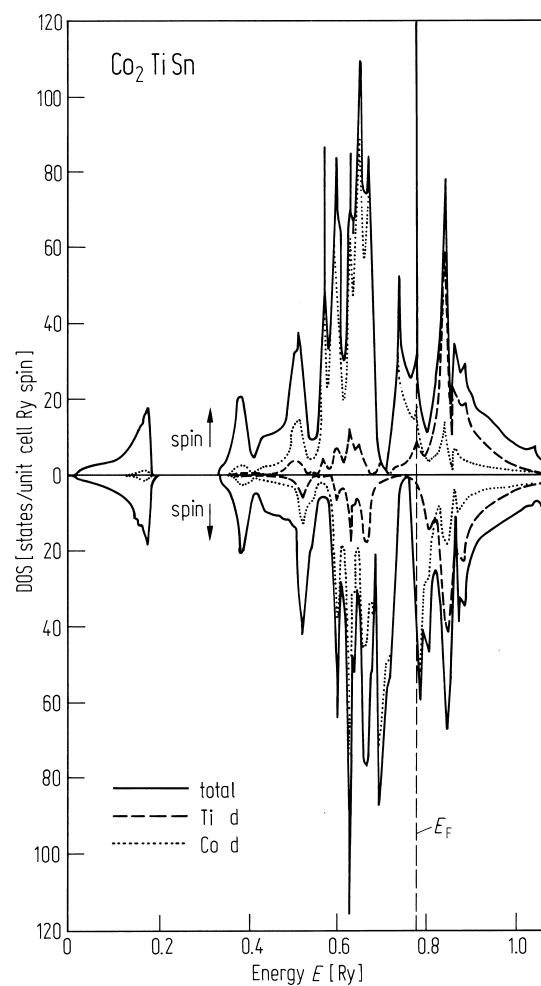


Fig. 440. DOS curves of Co_2TiSn calculated using the LSD method [8412].