

Copy of a printed diagram referenced as "Types of atomic orbital; boundary surfaces"

Contributors

Fuller, Watson, 1935-

Publication/Creation

November 1963

Persistent URL

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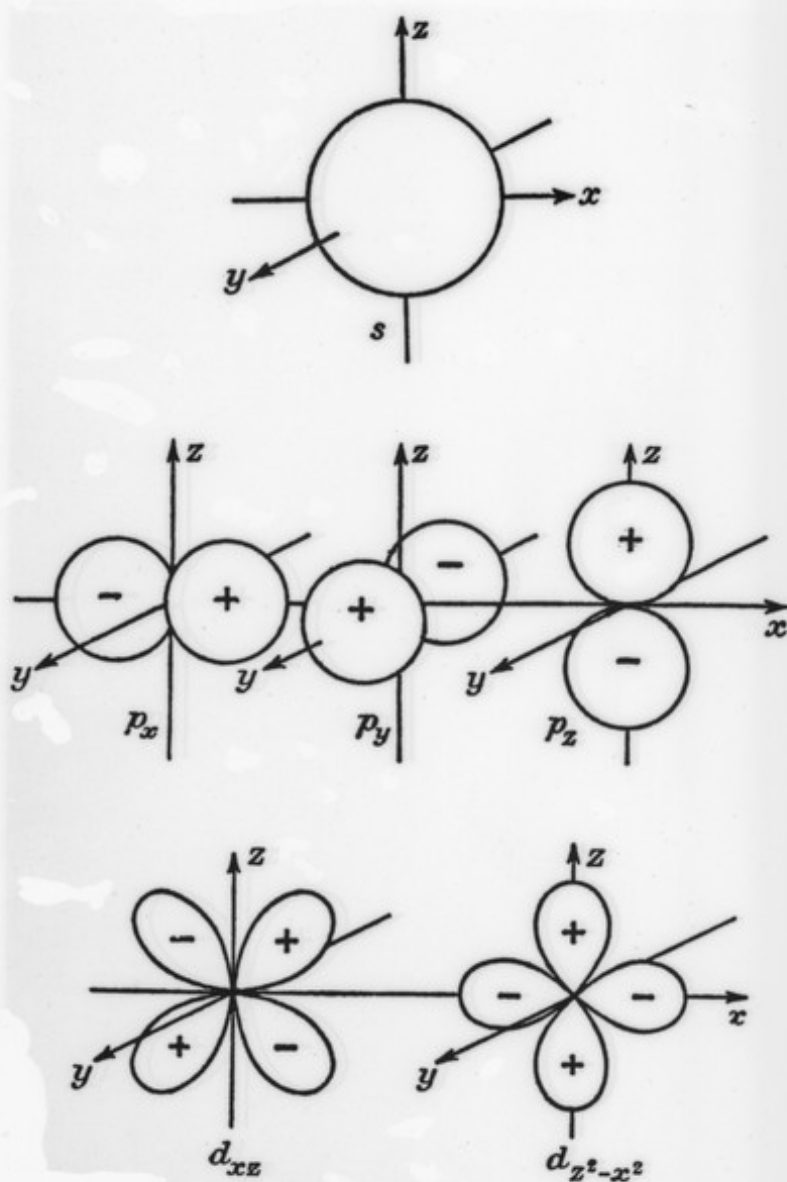
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\pm signs, as in Fig. 4, in those regions where ψ is positive or negative. There is, of course, no physical significance whatever in the sign: we can, for example, multiply ψ by -1 , which reverses the signs



Types of atomic orbital; boundary surfaces.

but leaves the physically significant ψ^2 unchanged. But particularly when considering the overlap of two neighbouring ψ functions (e.g. Figs. 3.5 and 4.1), a knowledge of the relative signs of different regions is of great help.