The Electronegativity Spectrum of Superconductors\textsuperscript{1} O. PAUL ISIKAKU-IRONKWE, The Center for Superconductivity Technologies, Abuja FCT — In the experimental search for novel superconductors, the correlation of electronegativity with superconductivity has been a useful guide. Previous studies have identified the range of electronegativities for low and high Tc superconductors. A detailed spectrum plot of electronegativity versus transition temperature for all known superconductors has still not been published. Here we produce such a plot which includes electronegativities of the newly discovered iron-based pnictide superconductors. We analyze this spectrum plot and use it to predict the electronegativity of higher Tc superconductors.

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