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Then we should open the N_1 and wind N_2 .
So, what should we do for calculation of
diameter of wire? it's very simple!
we have a best formula:

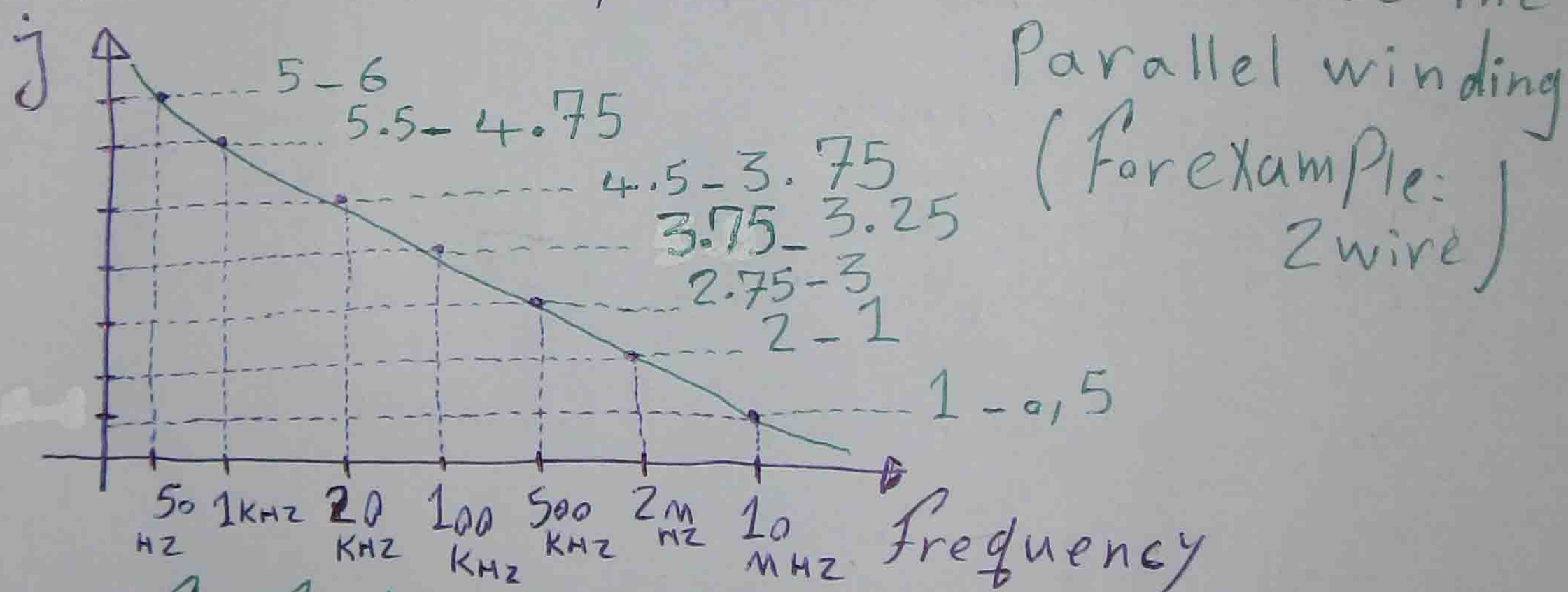
$$d = 1.13 \sqrt{\frac{I_{max}}{j}}$$

1.13 is a constant value.
and (j) in this formula
is, density of current
[A/mm²]

j is depend on (Frequency)

at high frequencies, we have a big problem
that called skin effect. it means that
current, at high frequencies, can't go

from center of wire. we should use the



For finding (j), you can use of top curve.

