

Fig. 3. The schedule of temperature of heating from various distance plates

The obtained dependence allows to prove grain moisture on the duration of heating of the heating surface.

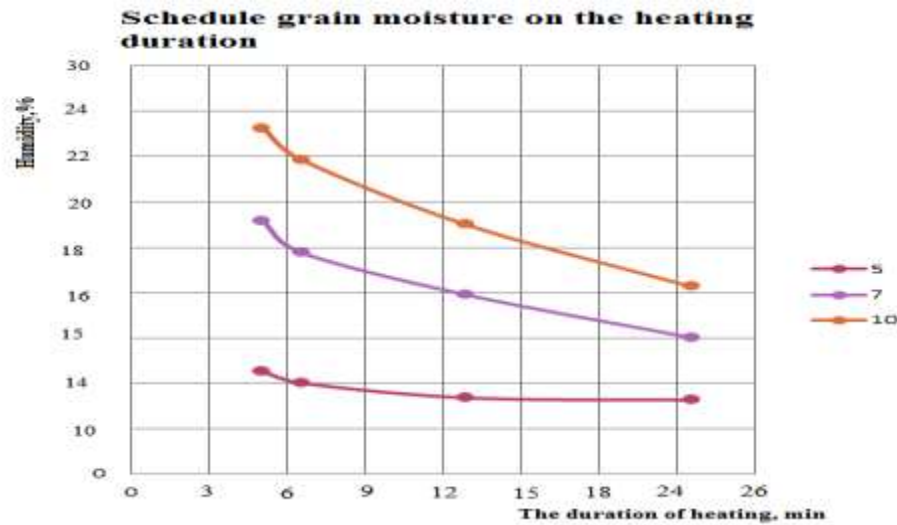


Fig. 3 The schedule of humidity from heating duration

VI. CONCLUSION

Thus temperature gradient on length and width of a plate is equal to zero (a case of a one-dimensional task). Then temperature in any point of a plate will depend on b and τ .

Thus, the amount of heat necessary for heating of grain and removal of moisture from it at a contact way of transfer of warmth depends on heat diffusivity of material of the heating surface, differences of temperatures of the heating surface of the processed grain (a temperature gradient) and an exposition of thermal influence.

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