

THE SURFACE TENSION FORCES INFLUENCE ON THE FILM-WISE CONDENSATION INTENSITY

Vasily Buz¹, Konstantin Goncharov², Henry Smirnov³

¹Odessa Mechnikov's National University
Dvorianskaya Street 2, Odessa, 65026, Ukraine
Tel (+38 098) 4831734; E-mail: shatuni@yandex.ru

²Federal Enterprise «Lavochkin Association»,
Khimky, Moscow region, Russia

Tel (+7 495) 5736374; E-mail: tais@heatpipe.ru

³Odessa National Food Technology Academy
Kanatnaya Street 112, Odessa 65044, Ukraine
Tel (+38 0482) 402344; E-mail: g.smirnov@e-mail.ua

Abstract

There are many experts, who are considering, that the known real effects of considerable influence on the film-wise condensation on the micro-finned surfaces are connected with the surfaces tension forces action. The others are considering, that it is connected with main size great decreasing. So, that was connected with right determination of the tension forces influence on the film-wise condensation on the micro-finned surfaces. The authors results, devoted the problem were presented in many scientific meetings. But, unfortunately, it wasn't take into consideration by colleagues. So, the authors understand, that it is required to present again their key results, devoted the problem.