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DROPLET IMPACT ON THE FROZEN SURFACE II

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It is proposed to investigate and apply the advanced surface technology - a highly multiple micro–nano-binary structure, modified in order to obtained wear resistive ice-phobic coatings. In the performed experiments icing process of the single micro - drop is observed by fast camera. The water droplet is droped from the various heights on the ordinary surface and on surface characterised by different materials, microstructure and topography. The temperature of the drop of water and surface is changed from the room temperature to -10^{o}C respectively.