

## On the microstructure and tribological properties of pulse electrodeposited Ni-B4C-TiC nano composite coating on AZ80 magnesium alloy

DP Pushpanathan, **N Alagumurthi**... - Surfaces and Interfaces, 2020 - Elsevier

Abstract Ni-B 4 C-TiC nanocomposite coating was successfully developed on AZ80 magnesium alloy by electrocodeposition technique using square wave form of pulse current. The duty cycle and the current density were varied and the frequency of the pulse current ...

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DP Pushpanathan, **N Alagumurthi**... - Materials Today ..., 2020 - Elsevier

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## Acknowledgement of reviewers 2019

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... The constants C<sub>0</sub> and C<sub>1</sub> are determined experimentally after NC machining (Ghali et al. 2017; Kumar, **Alagumurthi**, and Ramesh 2009) ... (1)  $g V \delta = V R M \times C_0 V C M \times e - C_1 \delta$  (1) (2)  $g \delta = C_0 e - C_1 \delta$  (2) (3)  $T p P O = L - D T \times R o u n d U p W P r + W - D T \times R o u n d U p$  ...

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... [6] found the following optimum cutting conditions: WS (300 rpm), DOC (0.02 mm) and wheel speed (WHS) (1750 rpm) [6]. **Alagumurthi** et al ... Smaller the better, Minimise the response, A target (optimal) value of zero that are non-negative,  $SNR = -10 \times \log \sum X^2 / n$  ...

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