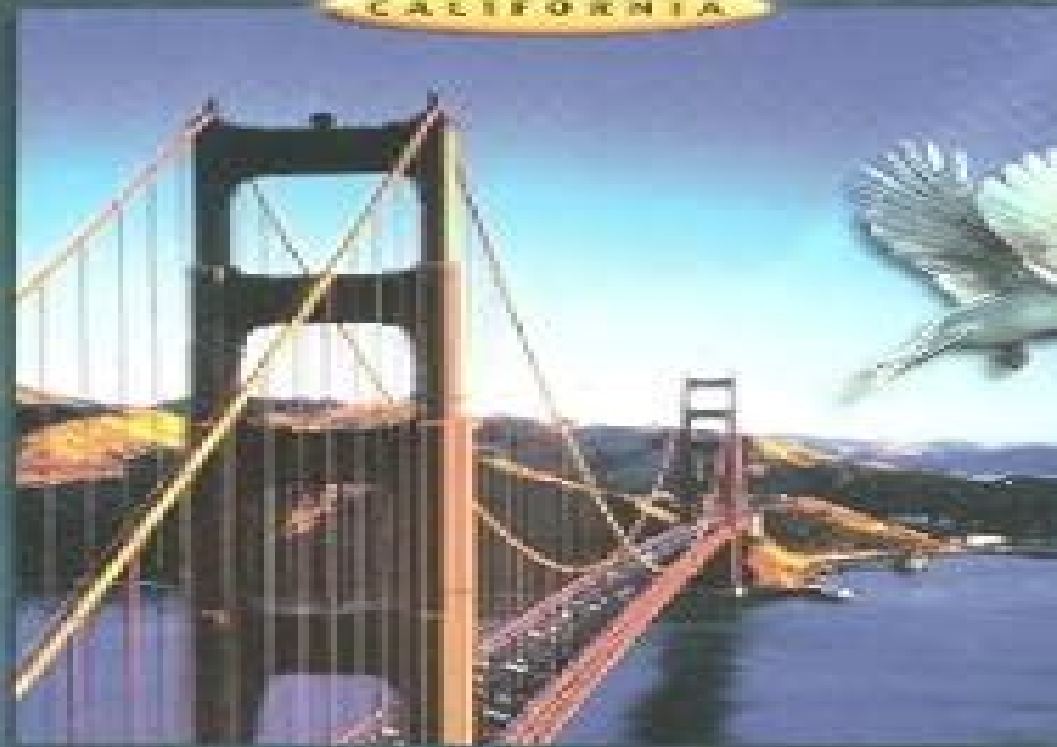


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may 1 2018 an improved calculation method for rolling pressure and load torque of electrical drive engine is suggested further this method considers peculiar strain of product in high deformation zones

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calculate rolling power flat rolling analysis consider rolling of a flat plate in mill  $v_0$   $v_f$  2 roll  $q$   $h_0$   $h_f$   $v_0$  width of plate  $w$  is large à plane strain processing limits

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may 1 2018 an improved calculation method for rolling pressure and load torque of electrical drive engine is suggested further this method considers peculiar strain of product in high deformation zones and its accelerated motion in reverse mode improved analytical dependences for rolling pressure and load torque of electrical drive are reviewed

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mar 26 2020 yield stress strain hardening factor  $\times$  strain rate hardening factor  $\times$  thermal softening factor in the rolling of



aluminium it is strain hardening which typically dominates at low temperatures on the other hand strain rate and temperature are more important in hot rolling