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A geometric model for the fracture toughness of porous materials

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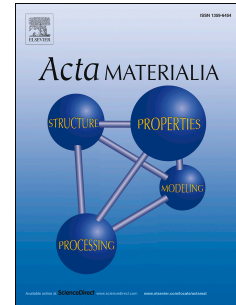
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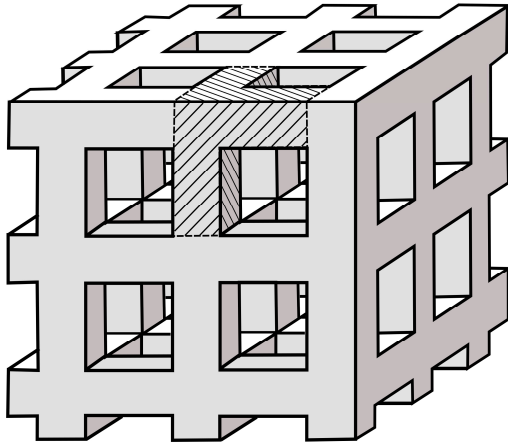
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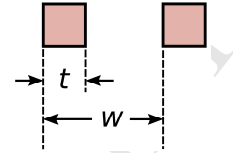




$$\frac{G_C^*}{G_C} = \left[\cos \left(\frac{2\pi - \cos^{-1}(2P - 1)}{3} \right) + \frac{1}{2} \right]^2$$



**3D model for
the toughness and
fracture toughness
of porous materials**



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