§ Sine Gordon equation

If a surface with K=-1 has first fundamental form written as $I = \cos^2 \omega du^2 + \sin^2 \omega dv^2 \ \ \, , \ \, \text{then} \ \ \, \omega \ \ \, \text{satisfies the so-called sine-Gordon equation} \\ \omega_{uu} - \omega_{vv} = \sin \omega \cos \omega$

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