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Where J Is The Jacobian Of The Change Of Variables Given By (5). Expanding The

Determinant And Multiplying By The Factor, -4 , To Obtain $B^2 - 4ac = 4(B^2 - 4AC)$
 $\Rightarrow \Delta = 4\Delta$ (9) When $\Delta > 0$, The Equation Represents A Hyperbola. 2. If $B^2 - 4ac = 0$ Then The Equation Represents A Parabola. 3. If $B^2 - 4ac < 0$ Then The Equation Represents A Hyperbola. The Classification Of Second-order PDE
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