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Turkish Journal	Schrödinger Equation Solutions for small r and resulting Functional Relations
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Keywords	<u>Abstract:</u> The Schrödinger equation is examined for small r (i.e. one step beyond the limit r \rightarrow 0) for the cases V(r) \rightarrow r^k , (k>0), and V(r) \rightarrow r^k (0 <k<2). and="" appropriate="" approximate="" are="" be="" bessel="" both="" cases="" derived="" detail="" functional="" functions.="" graphically.<="" illustrated="" in="" involving="" is="" may="" obtain="" one="" related="" relation="" relations="" result="" solutions="" such="" td="" the="" this="" to="" used=""></k<2).>
Authors	Key Words: Schrödinger equation, Bessel equation, Airy functions, Associated Laguerre functions
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