



图 2-172 基于非线性插值的 B 样条曲线

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62( l( v( t( ) u( 1|\* ~4( |4) |2 63( u+4t M4 C +w( |0 12 ) \* |s( 3\*t+C( ) +4v|x ) -24) C( ) +\* 5y \* ) \* D( C( ) +

| w( |2 63( u+24 )|B\* 6|u4) 1. u+ 1|3. t6. \* ) ++4|0 12 ) \* | 41( ;0 -#A?#8? ? |+4|  
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0 |#A?#8?>7\* |6. CC\*tÄ4v+m( |2 63( u+24 )|B|3t4-2( 1|~( 54BC

| A3( |4v0 63( u+2) (000)

É(6, 56|4v0 63(u-2))  $\oplus \mathbb{V}^f$   $\oplus \mathbb{K}' \oplus \mathbb{K}'' \oplus \mathbb{K}'''$  if  $|u|^f = \infty$

Ñ 2w2 |+2+A|;A\$=1\* A6|4v\lt( u( 2+4v+w2|5 +t( t714u. C( ) #+2) |1( C4) 6+t\*+2 D|  
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s( 6ut2+2) |4v|U25+2) 6|;s á U=|C. 6+~( |6. ~C2+| 1|+4|G x z &a\* 2t( |+4|6. ~C2+|w2|  
14u. C( ) #+2) |C \* A|5 \* 1|+4|+w2|v| u2+A|~( 2 D|t( \t( 1|v4t|() v4tu( C( ) +8|

, ) |( ) v4tu( C( ) +\* u+2) |C \* Å|2 u5 1( |u2 23( ) \* 52 6|4v. 3|+4 |â#\$7\$7\$7\$7( t { | & x ) v4tu( C( ) +\* u+2) 6|C \* Å\* 54 |\*w( u+w( |4B) ( t6|\*) 1|4t|43( t \* +4t6| ( 5D2-22ÅM4t | t( 2C~. t6( C( ) +t4C |+w( |x åu( 66|ç2 ~22Å| t. 6+å. ) 1; x ç| à=&, 11224) \* 5Å70s x z |C \* Å| 1(( C |+w( |{ | 6|\* +w26|v u22Å|2 ( 5D2-5 |4t|1( 52 ( tÅ|1( 3462|4t|\* uu( 3+\* ) u( |4v|t( D. 5+1| 6. ~6+\* ) u( 6|3. t6. \*) +4|0 #A? A?#8&a2 \* 5ÅM( 1(t\* 5\*) 1|ut2C2 \* 53( ) \* 52 6|C \* Å|335Å|4t| v25t( |+4|3t4-2( |t( Ö 2( 1) 4+22+\* +2) é4t|6. ~C2+0 D|v 5( |2 v4t C\* +2) |3. t6. \*) +4|0 | #A? A?#8? |\*) 1|52 ~5 | ) 1(t|0 #A?A\$?#Sè

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F\_HNcPI PMG I bMGWUFGHdef ghdeDgPOT i ed j k l I R RHcPI j KC GHI Qa RR  
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n@ WHLQOEFGI

nI bWHφqN FOBI FUj kI YWQOa d K LFCHLGIT UFN GH ^ I f FOI GJ EF FGHTFLMN HOPQO  
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I bHUFcFRQa PH^ de^ k r s Cr ECedE UFMDT TMQa GH QI WHLQO GPGRCQHT G SH  
PTTVH I HT S' GH FRCHMPOTYFVFWHNPGV

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I bHUFcFRQa PHum v^ I m Ek TQLF\_HHT TMQa GH QI WHLQO GPGRCQHT G SH LFWHLGIT  
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nKFLMN HOPQOOFUMFWHM\_HNQHyMWN HOGQI GpQO