







### (3) Stability calculation and evaluation

State landslide stability coefficient can be divided into four degrees, Grade I  $K < 1.00$  Unstable; Grade II  $1.00 < K \leq 1.05$  Less stable; Grade III  $1.05 < K \leq 1.25$  Basically stable; Grade IV  $K \geq 1.25$ , stable. According to "Control engineering geological survey technical requirements", Stability against sliding safety factor,  $F_{st} = 1.25/1.20$ .

According to the analysis of cross-section, according to the stability of the section above graph, we can evaluate the stability of the whole landslide follows:

Overall depth deformable body is a less stable state; the second ordinal landslide in a substantially stable state; local shallow plasmodium: West plasmodium (That is II - II' sectional portion corresponding) is less stable state, Eastern plasmodium (That is the yellow part IX-IX' corresponding sectional Pro library), belong basically stable - less stable state.

### 4. THE SUMMARY

Landslide stability computing based on numerical simulation, it can be combined with actual monitoring data and evaluation of the actual survey. Landslide risk assessment but also to provide an idea, the same can be combined with practical engineering activities it provides a basis for the construction.

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