





















































| Blend shapes (as a data structure, e.g. C++) | |
|--|--|
| Indexed mesh : | |
| <pre>class Vertex { vec3 pos; rgb color; vec3 normal; }; class Face{ int vertexIndex[3]; };</pre> | |
| <pre>class Mesh{ vector<vertex> vert; /* geom + attr */ vector<face> tris; /* connectivity */ };</face></vertex></pre> | |















































































































































| | | Dermee | n anima | alions | |
|--------|-------------------------|-------------------|----------------------|----------------|--|
| Eg: fr | om <i>stance</i> to | run | | | |
| | animation X "stance" | | | | |
| t = 0 | keyframe A | | | 1 | |
| t = 1 | 0.75 A + 0.25 B | | | delay k = 3 | |
| t = 2 | 0.50 A + 0.50 B | | animation Y "run" | | |
| t = 3 | 0.25 A + 0.75 B | 0.80 X + 0.20 Y |)> keyframe D | t = 0+k | |
| t = 4 | keyframe B | ← 0.60 X + 0.40 Y |)→ 0.50 D + 0.50 | E t = 1+k | |
| t = 5 | 0.67 B + 0.33 C | ← 0.40 X + 0.60 Y | keyframe E | t = 2+k | |
| t = 6 | 0.33 B + 0.67 C | ← 0.20 X + 0.80 Y |)→ 0.75 E + 0.25 | F t = 3+k | |
| t = 7 | keyframe C | | 0.50 E + 0.50 | F t = 4+k | |
| | | | 0.25 E + 0.75 | F) t = 5+k | |
| | | | kovframo F | t = 0.1k | |









































Non-procedural Animations: Milli which one to pick? x-wing Skeletal skinned mesh solution 2: animation Tship hull bone windwing wing wing wing screen bone bone bone bone bone x-wing rig skeletal animations 120

