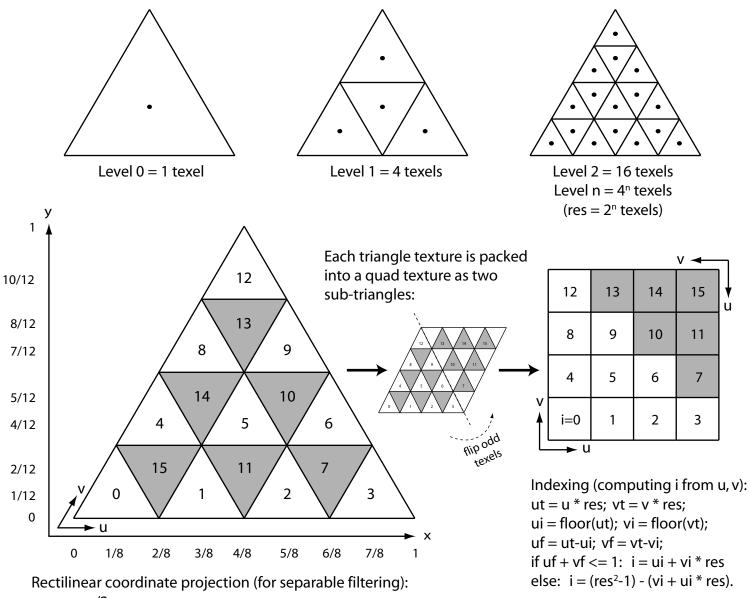
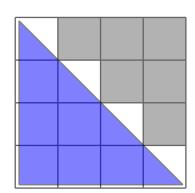
Ptex triangle textures

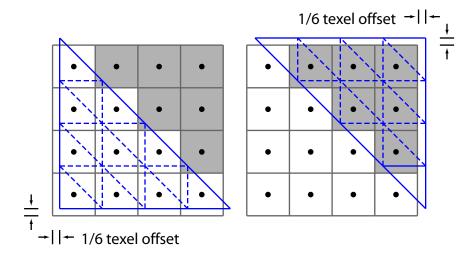


$$x = u + v/2; y = v.$$



For GL display, the triangle can be rendered directly from the lower half-texture. A small epsilon should be used to keep the triangle inside the texture.

Alternately, a shader can point-sample the full texture using the above indexing method.



For paint projection (i.e. rasterizing triangles into the quad texture), two triangle projections are needed to cover the quad. A 1/6 texel offset is also required to align the triangle sample points with the quad texel centers.