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(* Grayscale Rendering of Perpendicular Half-Planes *)
(* Doug Youvan, Copyright April 16,
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canvas = Table[{x, y}, {x, 1, 250}, {y, 1, 250}]; canvas[[All, All]] = {0, 0, 0};

For[
  a = 0, a ≤ 32, a++,
  n = 32^(a/8.0);
  For[
    x = 1, x ≤ 32, x++, g = (1.0/n) * (x^(a/8.0));
    canvas[[ {112 + x}, Range[1, 250] ]] = {g, g, g};
    canvas[[ Range[1, 250], {112 + x} ]] = {g, g, g}
  ];

  planes = Graphics[RasterArray[Apply[RGBColor, canvas, {2}]],
    ImageSize → {250, 250}, AspectRatio → error];
  Show[planes];
  Export["C:\\Documents and Settings\\K64S\\Desktop\\Mathematica\\Cross\\" <>
    ToString[a] <> ".gif", planes, "GIF", ImageSize → {250, 250}];
]
```