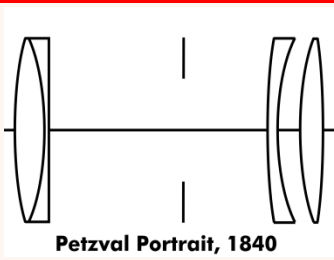
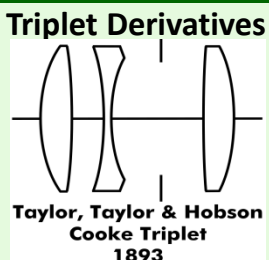


Fast Normal Photo Lens Historic Line Up

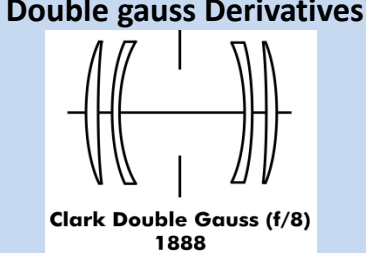
Aligned by:
Yuri Stangrit
06-Nov-12



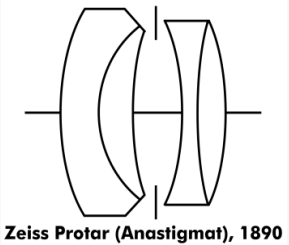
Petzval Portrait, 1840



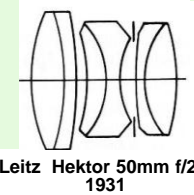
Triplet Derivatives
Taylor, Taylor & Hobson
Cooke Triplet
1893



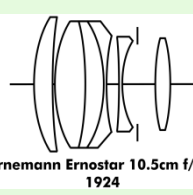
Double Gauss Derivatives
Clark Double Gauss (f/8)
1888



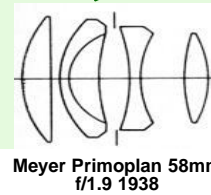
Zeiss Protar (Anastigmat), 1890



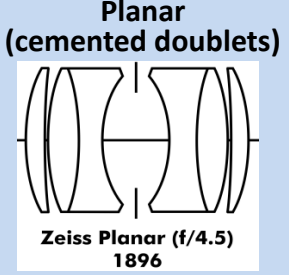
**Leitz Hektor 50mm f/2.5
1931**



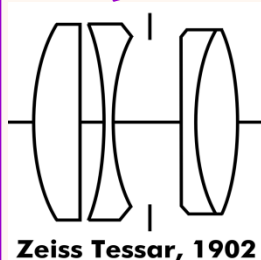
**Ernemann Ernostar 10.5cm f/1.8
1924**



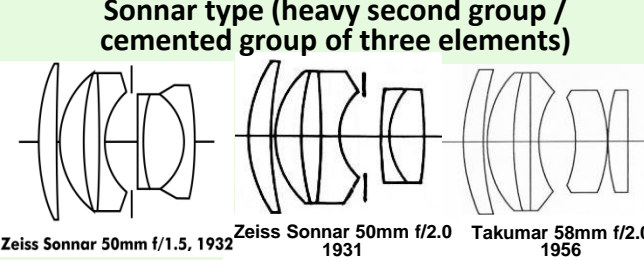
**Meyer Primoplan 58mm
f/1.9 1938**



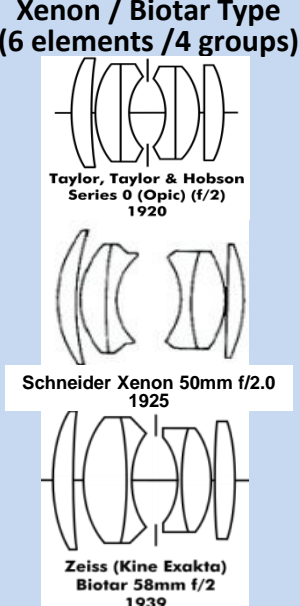
Planar (cemented doublets)
Zeiss Planar (f/4.5)
1896



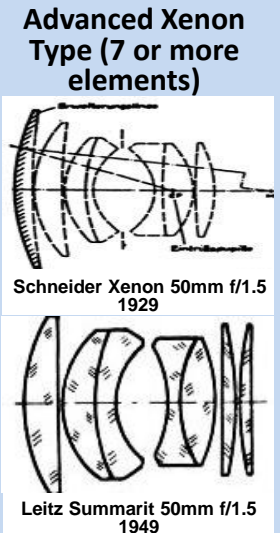
Zeiss Tessar, 1902



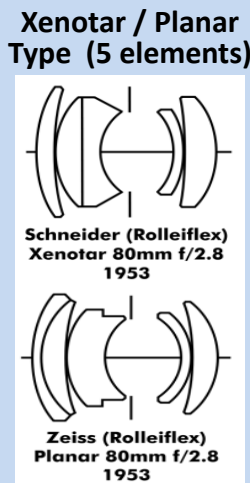
Sonnar type (heavy second group / cemented group of three elements)
Zeiss Sonnar 50mm f/1.5, 1932
Zeiss Sonnar 50mm f/2.0 1931
Takumar 58mm f/2.0 1956



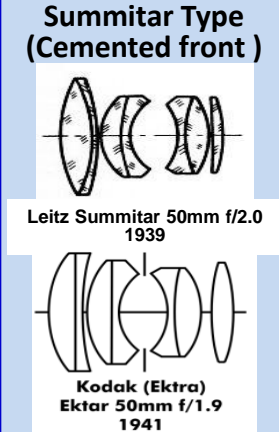
Xenon / Biotar Type (6 elements / 4 groups)
Taylor, Taylor & Hobson Series 0 (Opic) (f/2) 1920
Schneider Xenon 50mm f/2.0 1925
Zeiss (Kine Exakta) Biotar 58mm f/2 1939



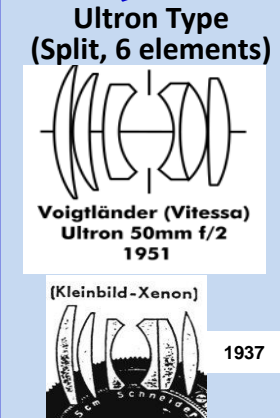
Advanced Xenon Type (7 or more elements)
Schneider Xenon 50mm f/1.5 1929
Leitz Summarit 50mm f/1.5 1949



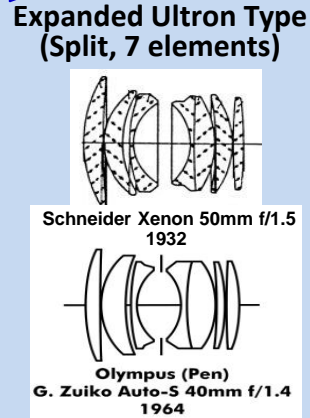
Xenotar / Planar Type (5 elements)
Schneider (Rolleiflex) Xenotar 80mm f/2.8 1953
Zeiss (Rolleiflex) Planar 80mm f/2.8 1953



Summarit Type (Cemented front)
Leitz Summarit 50mm f/2.0 1939
Kodak (Ektra) Ektar 50mm f/1.9 1941



Ultron Type (Split, 6 elements)
Voigtlander (Vitessa) Ultron 50mm f/2 1951
(Kleinbild-Xenon) 1937



Expanded Ultron Type (Split, 7 elements)
Schneider Xenon 50mm f/1.5 1932
Olympus (Pen) G. Zuiko Auto-S 40mm f/1.4 1964

Sources used: 1. Wikipedia. The free encyclopedia . <http://www.wikipedia.org/>
2. Frank Mechelhoff. History of fast 35mm and small format film lenses. http://taunusreiter.de/Cameras/Biotar_en.html