

United States Department of the Interior

U. S. Geological Survey

Computerized Database of the Optical Properties of the Opaque Minerals

[Compiled From "Tables For Microscope Identification of Ore Minerals",

by Uytendogaardt and Burke]

by

Joseph F. Whelan

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This database was last revised in January, 1989. The database consists of the optical and pertinent physical properties of 288 opaque minerals. These properties are: 1, chemical composition*; 2 and 3, reflected light color and tints (in air)*; 4 and 5, reflected light color and tints (in oil)*; 6, bireflectance*; 7, anisotropy*; 8, crystallographic class*; 9, percent reflectance in green light (540nm)*; 10, Vickers Hardness Number; 11, possible internal reflections; 12, polishing hardness; and 13, a brief listing of common associations and textures. The database can be searched on those properties that are starred.

The database was written with Filemaker Plus™ and is compatible with Filemaker 4™ and Filemaker II™ also. It was created on a Macintosh Plus™ but will also run on the Macintosh SE™, II™, and IIX™.