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Holographic interferometry (HI) is a well-known technique working under coherent light that produces the interference of two wavefronts (or more), at least one of which being holographically stored.

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Digital holographic microscopy - Wikipedia

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Handbook of Optical Holography is composed of 10 chapters that readers can turn to for specific questions regarding holography. This book begins by elucidating the classification of holograms, major types of holograms, and variations. The text then explains the image formation, cardinal points and principal rays for holography, equipment, and procedures.

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Holographic interferometry (HI) is a technique which enables static and dynamic displacements of objects with optically rough surfaces to be measured to optical interferometric precision. These measurements can be applied to stress, strain and vibration analysis, as well as to non-destructive testing and radiation dosimetry. It can also be used to detect optical path length variations in transparent media, which enables, for example, fluid flow to be visualised and analyzed. It can also be used