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DIC results can be difficult to achieve.

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image correlation" refers to the class of
non-contacting methods that acquire

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images of an object, store images in digital form and perform image analysis to extract full-field shape, deformation and/or motion measurements.

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correlation for motion measurements.

Specific items discussed include (a) image matching methods, (b) subset shape functions, (c) intensity pattern metrics, (d) intensity pattern interpolation for discretely sam-

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2009. [5] HW Schreier and MA Sutton.

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Systematic errors in digital image correlation due to undermatched subset

shape functions. Experimental

Mechanics, 42(3):303{310, 2002.

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