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## New Form Polariscopes Application Observation Sky

**applications of automated grey-field polariscopes** - although the new polariscopes is capable of making multiple fringe measurements, it has its greatest impact in sub-fringe applications where the output parallels the description of the strain state of an object given by mohr's circle. grey-field polariscopes figure 1 is a simplified portrayal of the grey-field polariscopes. the object is illuminated with circularly polarized light. upon ... **a solution of the photoelastic problem by photometry** - a solution of the photoelastic by photometry b. m. barishpol'skii and g. d. problem radchenko udc 539.53.072.14 the parameters which characterize an artificial anisotropy in the photoelastic model under investiga- **photoelastic comparison of single tooth implant-abutment ...** - photoelastic comparison of single tooth implant-abutment-bone of platform switching vs conventional implant designs fabiana rossi, adriana cristina zavanelli, ricardo alexandre zavanelli abstract objectives: the maintenance and stability of peri-implantar soft tissue seem to be related to the crestal bone around the implant platform and different implant designs connections might affect this ... **spatial elliptical polariscopes for polarization ...** - spatial elliptical polariscopes for polarization distribution measurements w áadys áaw a. wo (niak \*, sáawomir drobczy ski, piotr kurzynowski **application of the generalized maximum likelihood ...** - application of the generalized maximum likelihood criterion to evaluation of partial fringe orders in photoelasticity by i. miskioglu and n.m. namazi **numerical method to photoelasticity using plane polariscopes** - application in many industrial applications. in particular, determination of stress concentration in particular, determination of stress concentration in front of notches and holes was and still is one of the premier forte of photoelasticity in **method of error analysis for phase-measuring algorithms ...** - circular polariscopes as perturbations of the jones matrices associated with each element. the jones matrix of the real polariscopes can then be calculated as a sum of the nominal matrix and a series of contributions that depend on the errors associated with each element separately. we apply this method to the analysis of phase-measuring algorithms for the determination of isoclinics and ... **xvlqjskdvhphd vxulqj whfkqltxhv - iopscience** - transmitted by the polariscopes and imaged onto a ccd pixel, im is the amplitude component of intensity that is modulated sinusoidally, (o is the angle of the analyser, q5 **photoelastic method for stress analysis** - in recent years the development of new synthetic resins possessing desirable photoelastic characteristics, has helped to enlarge applications of the method to a wider variety of problems. **new coating techniques in photelasticity** - describes developments in a new application method dubbed tacts, thermally activated conformable transfer sheets. 2.0 application method tacts is a simple clean method for applying traditional photoelastic polymers. it uses a rubber sheeting to form a pliant mold of the object and provide a backing for handling the coating during application. the simplest method for explaining the use of ... **comparison of stresses induced by fiber post, parapost and ...** - the stresses were evaluated in the polariscopes three different conditions: 1) under without load, 2) with 135 n vertical load, and 3) with 90 n oblique load (26° inclination to post long axis). the fringe orders in the cervical, middle and apical regions of the posts were evaluated and compared with each other. results: application of the vertical load induced a high stress concentration (fo ... **phase measuring algorithm for extraction of isochromatics ...** - we present a new phase-measuring algorithm for extraction of the isochromatics of photoelastic fringe patterns. the algorithm permits the extraction of the isochromatic phase with almost no influence from the isoclinics, thus avoiding the usual problems of low-modulation areas associated with isoclinics. the isochromatic phase map obtained with this algorithm is well suited for a full ... **studies of microwaves applications for adhesive, weld ...** - this form of quality testing can prove to be a new evaluation tool for assessing bond integrity using the same processing and quality testing facilities, ie the vfmf. **isochromatic fringe sharpening and interpolation along an ...** - isochromatic fringe sharpening and interpolation along an isoclinic contour, with application to fracture mechanics by b. han and a.l. wang

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