Scalar Potential Model of photon diffraction  JOHN HODGE —
Some observations of light are inconsistent with a wave–like model. Other observa-
tions of light are inconsistent with a traditional particle–like model. A single model
of light has remained a mystery. Newton’s speculations, Democritus’s speculations,
the Bohm interpretation, and the fractal philosophy are combined with the cosmos-
ological Scalar Potential Model (SPM). The resulting model of photon structure
and dynamics is tested by a toy computer experiment. The simulations included
light from a distance and Young’s experiment. The patterns on the screens showed
diffraction wave patterns fit by the Fresnel equation. The model is consistent with
the Afshar experiment and with the concepts of Bohmian mechanics.

John Hodge
Blue Ridge Community College

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