MOIRE EFFECTS THAT OCCUR IN THE SUPERPOSITION OF PER IODIC LAYERS HAVE BEEN INTENSIVELY INVESTIGATED IN THE PAST, AND THEIR MATHEMATICAL THEORY IS TODAY FULLY UNDERSTOOD. THE SAME IS TRUE FOR MOIRE EFFECTS BETWEEN REPETITIVE LAYERS I.E. BETWEEN GEOMETRIC TRANSFORMATIONS OF PERIODIC LAYERS HOWEVER, ALTHOUG HOMEVER, ALTHOUG HOMEVER, ALTHOUG SIGNASS PATTERNS) ARE KNOWN SINCE THE 1960S, ONLY LITTLE IS KNOWN TODAY ON THEIR MATHEMATICAL BEHAVIOUR, IN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOI RES, AND COMPARE IT WITH ANALOGOUS RESULTS FROM THE PERIODIC CASE. WE SHOW THAT ALL CASES, PERIODIC OR NOT, OBEY THE SAME BASIC MATHEMATICAL RULES IN SPIT E OF THEIR DIFFERENT VISUAL PROPERTIES. THIS LEADS US TO A UNITIED APPROACH WHICH EXPLAINS BOTH THE BEHAVIOUR OF GLASS PATTERNS IN THE APERIODIC CASE, AND THE WELL KNOWN BEHAVIOUR OF THE MOIRE PATTERNS IN PHOMORE FFECTS THAT OCCUR IN THE SUPERPOSITION OF PERIODIC LAYERS HAVE BEEN INTENSIVELY INVESTIGATED IN THE PAST, AND THEIR MATHEMATICAL THEORY IS TODAY FULLY UNDERSTOOD. THE SAME IS TRUE FOR MOIRE EFFECTS BETWEEN REPETITIVE LAYERS IE. BETWEEN GEOMETRIC TRANSFORMATIONS OF PERIODIC LAYERS, HOWEVER, ALTHOUGH HOMIRE EFFECTS THAT OCCUR BETWEEN GEOMETRIC TRANSFORMATIONS OF PERIODIC LAYERS, HOWEVER, ALTHOUGH HOMIRE EFFECTS THAT OCCUR BETWEEN GEOMETRIC TRANSFORMATIONS OF PERIODIC LAYERS. HOWEVER, ALTHOUGH HOMIRE EFFECTS THAT OCCUR BETWEEN APERIODIC LAYERS (GLASS PATTERNS) ARE KNOWN SINCE THE 1960S, ONLY LILT LE IS KNOWN TODAY ON THEIR MATHEMATICAL BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STUDY THE BEHAVIOUR OF SUCH MOIL RIN THIS BOOK WE STU

(a) (b)

MOIRE EFFECTS THAT OCCUR IN THE SUPERPOSITION OF PER IODIC LAYERS HAVE BEEN INTENSIVELY INVESTIGATED IN THE PAST, AND THEIR MATHEMATICAL THEORY IS TODAY FURTHER AND THEIR MATHEMATICAL THEORY IS TODAY FURTHER SAME IS TRUE FOR MOIRE EFFECTS BETWEEN REPETITIVE LAYERS LE BETWEEN GENERIC TRANSFORMATIONS OF PERIODIC LAYER, HOWEVER, ALTHOUG HOMER EFFECTS THAT OCCUR BETWEEN APERIODIC LAYER HORD SEASON OF PERIODIC LAYER, HOWEVER, ALTHOUG SEASON OF PERIODIC MAY BETWEEN APERIODIC LAYER HORD SEASON OF THE SAME WAS AND THE BEHAVIOUR OF SUCH MOI TITLE IS KNOWN TODAY ON THEIR MATHEMATICAL ROUGH OF SUCH MOI THE SAND COMPARE IT WITH ANALOGOUS RESULTS FROM THE PERIODIC CASE. WE SHOW THAT ALL CASES, PERIODIC OR RES, AND COMPARE IT WITH ANALOGOUS RESULTS FROM THE OF THEIR DIFFERENT VISUAL PROPERTIES. THIS LEADS US NOT, OBEY THE SAME BASIC MATHEMATICAL RULES IN SPIT OA UNIFIED APPROACH WHICH EXPLAINS BOTH THE BEHAVIOUR OF GLASS PATTERNS IN THE APERIODIC CASE. WE SHOW THAT ALL CASES, THE BEHAVE DEFENDED ON THE SUPERPOSITION OF PERIODIC LAYERS HAVE BEEN INTENSIVELY INVESTIGATED IN THE WILLY UNDESTOOD. THE SAME IS TRUE FOR MOIRE EFFECTS BHE LAY UNDERSTOOD. THE SAME IS TRUE FOR MOIRE EFFECTS BHE LAYERS LE BETWEEN GEOMETRIC TRANSFORMATIONS OF PERIODIC LAYERS. HOWEVER, ALTHOUGH HOMER EFFECTS THAT OCCUR BETWEEN APERIODIC LAYER HOMER EFFECTS THAT OCCUR BETWEEN APERIO

MOIRE EFFECTS THAT OCCUR IN THE SUPERPOSITION OF PER JODIC LA YERS HAVE BEEN INTENSIVELY INVESTIGATED IN THE PAST, AND THEIR MATHEMATICAL THEORY IS TODAY FULLE POR MOIRE EFFECTS IN STREAM FOR MOIRE EFFECTS RETWEEN GEOMETRIC TRANSPERMENTERS IS. BETWEEN GEOMETRIC TRANSPERMENTINIVE LAYERS IS. BETWEEN GEOMETRIC TRANSPERMENT OF AND THOUGH AND THE SETWEEN AFER JOSON ONLY LITTOLIC LIST SKNOWN SINCE THE 1960S, ONLY LITTOLIC LIST SKNOWN ODDAY ON THEIR MATTHEMATICAL BEHAVIOR OR PERIODIC CASE. WE SHOW THAT ALL CASES. PERODIC OR DEPART OF THE SAME BASIC MATHEMATICAL RULES! IN SPIT BOT THE SAME BASIC MATHEMATICAL RULES! IN SPIT ON A UNFIED ADPROADE HAICH EXPLAINS BOTH THE BEHAVIOR OR HICH EXPLAINS SOFT HE APER DOTH THE BEHAVIOR OR HICH EXPLAINS SOFT THE SHOW THE WILL TO A UNFIED ADPROADE THE WILL EXPRESITION OF PER MOIRE EFFECTS THAT OCCUR IN THE SUPERPOSITION OF PER HEAVEN THAT OCCUR IN THE SUPERPOSITION OF PER LIVENER THAT OCCUR IN THE SUPERPOSITION OF PER LIVENER AND THE SAME BET SHOWE FOR MARKED THE SAME STREAMS IN THE SUPERPOSITION OF PER LIVENER AND THE SAME STREAMS IN THE SAME SHOWER FEFECTS THAT OCCUR IN THE SUPERPOSITION OF PER LIVENER AND COMPART THE SAME SHOWER A ALTHOUR AND AND A STREAMS IN THE SAME SHOWER STREAMS APPERS IS FRIEDER AND SHORE EFFECTS THAT OCCUR BETWEEN APPERIODIC LAYERS IS ENFWEEN APPERIODIC LAYERS IS ENFWEEN APPERIODIC LAYERS IS THE SHOWN OR SHOWN ON THAT ALL CASES, HOWEN SON ONLY LIKE IS KNOWN TODAY ON THAR MATHEMATICAL THE PROM THE READOUGLE STREAMS ONLY LIKE AND COMPARE THE SHOW THAT ALL CASES, PERODIC OR THE PERODIC OR THE SHOWN OR THE SHOWN ONLY AND COURS EFFECTS THAT SHOW THAT ALL CASES, PERODIC OR THER DEFENCE OR THEIR MATHEMATICAL RELEVON THE READOUT OR THE SHOWN OR THE SHOWN THAT ALL CASES, PERODIC OR THER DEFENCE OR THEIR MATHEMATICAL RELEVON THE READOUT OR THE SHOWN THAT ALL CASES, PERODIC OR THER DEFENCE OR THE SHOWN THAT ALL CASES, PERODIC OR THE SHOWN OF THE SAME BASIC MATHEMATICAL RULES IN SPIT HER SALLED.

(c) (d)

Figure 3.23 from the book: *The Theory of the Moiré Phenomenon Vol. II: Aperiodic Layers*, by I. Amidror, published by Springer, 2007.

(Second layer only.)