



Figure III.18: The situation for Lemma III.4. The edges AC and AD form a symmetric groove, with AC and AD being of equal length. The vector \mathbf{n} points upward, the vector \mathbf{v} is in the direction from B to D . The vectors \mathbf{h} and \mathbf{h}' are normal to the sides of the groove. All four vectors are unit vectors. The ratio of $\|BC\|$ to $\|AC\|$ measures the fraction of the groove that is not masked.