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A question about anti-reflective coating LIANXI MA, Blinn College, BAOTING LIU COLLABORATION — We discuss the electric fields and light energy reflected by anti-reflective coating and the interference of the electric fields. By emphasizing that the light energy is determined by the total, rather than individual, electric field, we clarify the confusion about how the anti-reflective coating increases the transmission energy. An example shows that the main electric fields of destructive interference on a coated surface are from the first and second reflections.

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