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Basic Predicate Logic, Craig's Interpolation and Robinson's Consistency Theorems

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We establish an algebraic completeness theorem for basic predicate logic, *BQC*, a proper subsystem of intuitionistic predicate logic, *IQC*. We also give an algebraic semantics proof of Craig's interpolation theorem. It will be shown that Craig's interpolation theorem is equivalent to a weak form of Robinson's consistency theorem in *BQC*. By Ardeshir's translation of *IQC* into *BQC*, we give an alternative simple proof of the interpolation property for *IQC*.