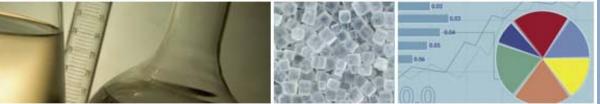
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Research Title	: <u>On commutativity of rings involving certain polynomial constraints</u> <u>On commutativity of rings involving certain polynomial constraints</u>
Descriptipn	: Let m greater than or equal to 0 and n > 1 be fixed integers. Let R be a ring with unity 1 satisfying the condition that, for every y in R, there exist polynomials f(x) epsilon X(2)Z[X] and g(X), h(X) epsilon Z[X] depending on y such that x(m)[x(n),y] = g(y)[x, f(y)]h (y) for all a in R. The main result of the present paper asserts that R is commutative if R has the property Q(n), i.e., for all x,y in R, n[a,y] = 9 implies [x,y] = 0.
Research Type	: Article
Research Year	: 1998
Publisher	: ALGEBRA COLLOQUIUM Volume: 5 Issue: 1 Pages: 111-116
Added Date	: Saturday, June 14, 2008

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