

Anharmonic Group Elements as Generated by Machine

Ed Rogers

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Typed in by hand	Computed by machine
$[(B^4 - A^4), (B^3 A - BA^3)]$	$= (-4) \cdot (B^6 - A^6) + (12) \cdot (B^4 A^2 - B^2 A^4) + (36) \cdot (B^3 A - BA^3) + (24) \cdot (B^2 - A^2)$
$[(B^4 - A^4), (B^2 - A^2)]$	$= (8) \cdot (B^3 A - BA^3) + (12) \cdot (B^2 - A^2)$
$[(B^4 - A^4), (B^4 + A^4)]$	$= (-32) \cdot B^3 A^3 + (-144) \cdot B^2 A^2 + (-192) \cdot BA + (-48)$
$[(B^4 - A^4), (B^3 A + BA^3)]$	$= (-4) \cdot (B^6 + A^6) + (-12) \cdot (B^4 A^2 + B^2 A^4) + (-36) \cdot (B^3 A + BA^3) + (-24) \cdot (B^2 + A^2)$
$[(B^4 - A^4), (B^2 + A^2)]$	$= (-8) \cdot (B^3 A + BA^3) + (-12) \cdot (B^2 + A^2)$
$[(B^3 A - BA^3), (B^2 - A^2)]$	$= (2) \cdot (B^4 - A^4)$
$[(B^3 A - BA^3), (B^4 + A^4)]$	$= (4) \cdot (B^6 + A^6) + (-12) \cdot (B^4 A^2 + B^2 A^4) + (-36) \cdot (B^3 A + BA^3) + (-24) \cdot (B^2 + A^2)$
$[(B^3 A - BA^3), (B^3 A + BA^3)]$	$= (-16) \cdot B^3 A^3 + (-36) \cdot B^2 A^2 + (-12) \cdot BA$
$[(B^3 A - BA^3), (B^2 + A^2)]$	$= (2) \cdot (B^4 + A^4) + (-12) \cdot B^2 A^2 + (-12) \cdot BA$
$[(B^2 - A^2), (B^4 + A^4)]$	$= (-8) \cdot (B^3 A + BA^3) + (-12) \cdot (B^2 + A^2)$
$[(B^2 - A^2), (B^3 A + BA^3)]$	$= (-2) \cdot (B^4 + A^4) + (-12) \cdot B^2 A^2 + (-12) \cdot BA$
$[(B^2 - A^2), (B^2 + A^2)]$	$= (-8) \cdot BA + (-4)$
$[(B^4 + A^4), (B^3 A + BA^3)]$	$= (-4) \cdot (B^6 - A^6) + (-12) \cdot (B^4 A^2 - B^2 A^4) + (-36) \cdot (B^3 A - BA^3) + (-24) \cdot (B^2 - A^2)$
$[(B^4 + A^4), (B^2 + A^2)]$	$= (-8) \cdot (B^3 A - BA^3) + (-12) \cdot (B^2 - A^2)$
$[(B^3 A + BA^3), (B^2 + A^2)]$	$= (2) \cdot (B^4 - A^4)$