# POLYNOMIALS AND POWER SERIES

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Polynomials and power series
May they forever rule the world.

Eliminate, eliminate, eliminate
Eliminate the eliminators of elimination theory.

As you must resist the superbourbaki coup
So must you fight the little bourbakis too.

Kronecker, Kronecker, Kronecker above all
Kronecker, Mertens, Macauley, and Sylvester.

Not the theology of Hilbert
But the constructions of Gordan.

Not the surface of Riemann
But the algorithm of Jacobi.

Ah! the beauty of the identity of Rogers and Ramanujan
Can it be surpassed by Dirichlet and his principle?

Germs, viruses, fungii, and functors
Stacks and sheaves of the lot
Fear them not
We shall be the victors.

Come ye forward who dare represent a functor
We shall eliminate you
By resultants, discriminants, circulants, and alternants
Given to us by Kronecker, Mertens, Macaulay, and Sylvester.

Let not here enter the omologists, homologists
      And their cohorts the cohomologists crystalline
For this ground is sacred.

Onward soldiers! defend your fortress
Fight the Tor with a determinant long and tall
But shun the Ext above all.

     Morphic injectives, toxic projectives
        Etal, eclat, devious devisage
           Arrows poisonous large and small
              May the armour of Tschirnhausen
                 Protect us from the scourge of them all.

You cannot conquer us with rings of Chow
     And shrieks of Chern
For we too are armed with polygons of Newton
     And algorithms of Perron.

To arms, to arms, fractions continued or not
Fear not the scheming ghost of Grothendieck
For the power of power series is with you
       May they converge or not
       May they be polynomials or not
       May they terminate or not.

     Can the followers of G by mere smooth talk
     Ever make the tiniest singularity simple
     Long live Oscar Zariski and Karl Weierstrass.

What need have we for rings japanese, excellent or bad
When, in person, Nagata himself is on our side.

     What need to tensorize
        When you can uniformize
          What need to homologize
            When you can desingularize
              (Is Hironaka on our side?).

Alas! Princeton and fair Harvard you too
Reduced to satellites in the Bur-Paris Zoo.

Approval for publication by members of the family of Professor Abhyankar