When your Ricci flow stops at one geometry, one geometry, one geometry
If every loop contracts there's no topology, no topology, no topology
So Poincaré's correct in dimension three, in dimension three, in dimension three
He's just an unemployed don who's living with his mom
But his name is Perelman and he's got it going on!

Poincaré's a nice dude, with some nice dreams,
Invent topology for all his math schemes.
Three-body problem: can't solve in closed form.
Find the features of the shape which still remain when you deform.
Loop around a doughnut never will contract;
You can try it if you doubt me and you'll see that I'm correct.
Has to be a sphere, if every loop is naught,
Like that million dollar Farbergé egg I just bought!
Two dimension's alright but we're living in three here
If circles all bound disks does it have to be a three-sphere?
P. tried to see if it was true using all of that mathy shit
He tried to prove that shit
He da man! still he coudn't seem to manage it
You should think about it. Take a second...
Matter fact, you could take a century
And think before you mess with little Henry P!

Well I'm a math geek. Y'all knew that.
Ask me a theorem, yeah I know who proved that.
It was proven by Steve Smale in five or more D
Friedman did the tricky D, yeah I mean four-D.
There's only one dimension where it ain't decided
You guessed the one where Poincaré first tried it!
(scratch) Two-nuh-nuh-five-Yep-three!
P -o-i-n-c-a-r-e.
Thurston was bursting his thoughts they were twisting
See he specialized in making all the three-folds listen.
He said every three-fold has a best geometry
To maximize its group of global symmetry.

Don't know how the proof should gizzo
But I've surely got to trizzle
Cause every math geek wants to earn a Clay Prizzle.
It's worth a Fields Medal, fo' shizzle, Profizzle
It implies Poincaré, so ladies here we gizzo!

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Ricci flow's bad, one of them diffEQ's
Take your geometry, and cause it to diffuse.
If it plays out smooth, through the end of time
It's one of Thurston's ten, and everything is fine.
That was Hamilton's plan, waiting for the man
With the proof, dogg, that was Perelman.
Oh you wanna form some singularity?
Ricci flow with surgery, now try and stop me!
Excise the mutha, its like some black hole.
Spawns another, we're playing wack-a-mole.
We need an entropy, yeah Grisha found it.
Must I remind you I only have to bound it,
Hound it to zero, pound til it's ground up
Then dance to the music that QED sounds of?
Subscribe fool, and know what the nerds know,
Baby get close, come and here how the proof goes!

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Grisha...
Grisha...