Derived Functor Rap
(of a left exact functor)
Paul Bressler
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This is a new rap on the oldest of stories —
Functors on abelian categories.
If the functor is left exact
You can derive it and that's a fact.
But first you must have enough injective
Objects in the category to stay active.
If that's the case — no time to lose;
Resolve injectively any way you choose.
Apply the functor and don't be sore —
The sequence ain't exact no more.
Here comes the part that is the most fun, Sir,
Take homology to get the answer.
On resolution it don't depend:
All are chain homotopy equivalent.
Hey, Mama, when your algebra shows a gap
Go over this Derived Functor Rap.