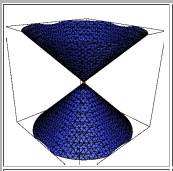
Classification of isolated singularities



A1 Singularity

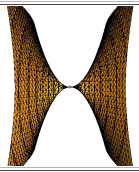
First type in the classification of isolated singularities, with real signature --. It is a simple cone. The equation with coefficient signsature ++, also defines a A1 singularity, but it is an isolated point, over the real.
Equation: `x^2-y^2-z^2`

A2-- singularity

Second type 2 in the singularity classification, with real signature --.
Equation: `x^3-y^2-z^2`

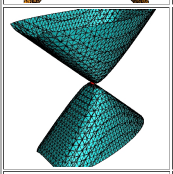
A2+- singularity

Second type 2 in the singularity classification, with real signature +-.
Equation: `x^3+y^2-z^2`



A3--

Equation: `x^4-y^2-z^2;`



A3+-

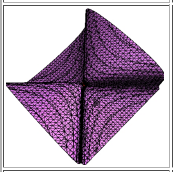
Equation: `x^4+y^2-z^2;`

A3++

Equation: `x^4+y^2+z^2;`

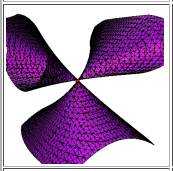
A4 singularity

A4 singularity with coefficient signs - -.
Equation: `x^5-y^2-z^2`



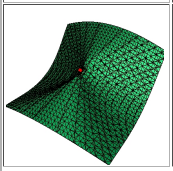
A4 singularity

A4 singularity with coefficient signs +-.
Equation: `x^5+y^2-z^2`



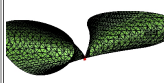
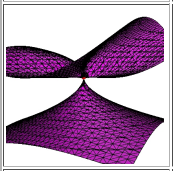
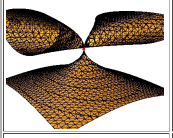
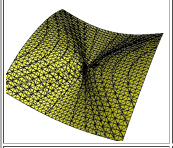
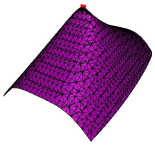
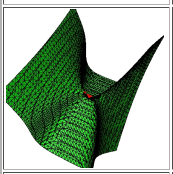
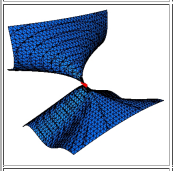
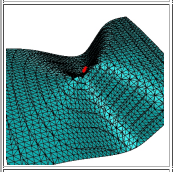
D4 singularity

D4 singularity with coefficient signs --.
Equation: `x^2*y-y^3-z^2`



D4 singularity

D4 singularity.
Equation: `x^2*y+y^3-z^2`

	**D5 singularity** D5 singularity with coefficient signs --. **Equation:** `x^2*y-y^4-z^2`
	**D5 singularity** D5 singularity with coefficient signs +-. **Equation:** `x^2*y+y^4-z^2`
	**D6 singularity** D6 singularity with coefficient signs --. **Equation:** `x^2*y-y^5-z^2`
	**D6 singularity** D6 singularity with coefficient signs +-. **Equation:** `x^2*y+y^5-z^2`
	**A6 singularity** A6 singularity with coefficient signs --. **Equation:** `x^3-y^4-z^2`
	**E6 singularity** E6 singularity with coefficient signs +-. **Equation:** `x^3+y^4-z^2`
	**E7 Singularity** E7 singularity. **Equation:** `x^3-x*y^3-z^2`
	**E8 singularity** E8 singularity. **Equation:** `x^3-y^5-z^2`
	monoidnot **Equation:** `y^2*z-x^3+x*z+z^4`
	monoidt3310 **Equation:** `-x*y*z+x^3-x^2*y+y^3-y*z^3+x^2*z^2-x^3*z+x^4`
	monoidt334 **Equation:** `y^2*x-x^2*z-x^3-z^4`
	monoidt339 **Equation:** `-x*y*z+x^3+y^3-y*z^3+x^2*z^2`

	monoidt344 **Equation:** `-x^3+y^2*z-z^4`
	monoidt355 **Equation:** `-x^3+y^2*z-y*z^3`