AminetPart

COLLABORATORS

	TITLE : AminetPart		
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

AminetPart

1.1 Scientific software

Click name to unpack, description to read the readme or get help

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File                Dir        Size Age Description
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2b_Life09.lha       misc/sci    11K 141*Small life-simulator
7plus20.lha         misc/sci    53K 194*An intelligent ASCII to binary encoder
abacus048.lha       misc/sci    91K 208*ABaCUS 0.48 for AMIGA
Aces_Emu.lha        misc/sci   251K 168*An Analog Computer/Simulator for the Amiga.
afstat10.lha        misc/sci   126K 206*Amiga Multivariate Statistical Analysis.
AiPS.lha            misc/sci   881K 190*Image Processing package. FFT Processing
AiPSbin030FPU.lha   misc/sci   328K 190*030+881 bin for AiPS.
ami2d_2_0.lha       misc/sci   438K 231*2D Finite Element modeler and solvers (VER  ←
   2.00)
Amicom21.lha        misc/sci   196K 249*THE BEST AX25 packet radio program !
AmicomFR.lha        misc/sci    38K 207*French translation of Amicom docs
amicomit.lha        misc/sci    54K 239*Italian translation of Amicom docs
Amicom_21a.lha      misc/sci   197K 222*THE BEST AX25 packet radio program !
AmiGazer.lha        misc/sci    47K 364*Compute a view of the night sky & more. V3  ←
   .0
AmiSPICEed.lha      misc/sci   367K  31*Simulation environment for SPICE (V1.7)
AmiSPICEed.lha      misc/sci   478K   4 Simulation environment for SPICE (V1.9)
AquaSim1_0.lha      misc/sci   281K 197*3D Aquarium Simulator (Uses MUI2.0). Check  ←
   it!
ARegress20.lha      misc/sci    30K 295*Makes regression and prints diagramms
astrolog.lha        misc/sci   130K 321*Amiga port of 'astrolog' with graphics.
Automata.lha        misc/sci   112K 407*Versatile cellular automaton simulation
Berechnformeln.lha  misc/sci    14K 162*Lots of math. formulas of every kind.
Brownian.lha        misc/sci     7K 513*Fractal theory and brownian motion demo.
CDB.lha             misc/sci    40K 129*IDEA TEAM - Chemistry Database V1.02
CDBguide_esp.lha    misc/sci    10K 112*Spanish translation of CDB.guide V1.02
CDB_105.lha         misc/sci   176K  93*IDEA TEAM - Chemistry Database V1.05 - BUG  ←
   FIX
CDB_106.lha         misc/sci   179K  64*IDEA TEAM - Chemistry Database V1.06 (  ←
   localized)
ChemBalance.lha     misc/sci    23K 237*Balance chemical equations. V3.0
Chemesthetics.lha   misc/sci   536K 343*Draws molecules
chemie_pse121.lha   misc/sci   105K 102*Periodic table of the elements in german in  ←
   HTML
```

```
ChemniMaTe.lha      misc/sci    65K 389*Makes animations of chemical reactions. V0 ←
   .8
Chimica.lha         misc/sci    90K 130*Chemistry; what a student need (Italian)
Chimica.lha         misc/sci    32K  94*Chemistry; what a student need (Italian)
chimicad.lha        misc/sci   297K 101*Chemical CAD program(2D bitmap) V1_14
chimicad.lha        misc/sci   202K  81*Chemical 2D drawing program (V1.24)
ChipMnk_lib.lha     misc/sci    50K 103*ChipMunk Package - Electronic circuits ←
   tools
ChipMunkWebDoc.lha misc/sci   194K 103*ChipMunk Package - Documentation in HTML ←
   format
circuit.lha         misc/sci    67K  46*Free logic circuit simulator using MUI
CircuitData.lha     misc/sci     5K  44*5 additional macros for 'Circuit'
clustalv.lha        misc/sci   210K  87*ClustalV DNA/protein sequence alignment
CoGo.lha            misc/sci    60K 341*Engineering/surveying program. V1.0
CP101A.lha          misc/sci   108K 206*Attempts to diagnose illness & injury
cp43.lha            misc/sci    96K 239*Scientific dataploting and analysis program
cpk_26.lha          misc/sci   553K 207*AGA & Picasso compatible molecular renderer
CyclicSpace.lha     misc/sci    16K 489*Griffeathian cyclic space generator pgm. V1 ←
   .42
Cycloids.lha        misc/sci    31K 633*Electronic spirograph program.
DAlmanac_Data.lha   misc/sci   5.5M  63*Datas for Digital Almanac (V39.5)
DAlmanac_Data.lha   misc/sci    11M  31*Datas (39.11) for Digital Almanac 39.22+
DAlmanac_Data.lha   misc/sci    11M  20*Datas for Digital Almanac
DAlmanac_Data.lha   misc/sci    11M   0 Datas for Digital Almanac
DAlmanac_Exe.lha    misc/sci   426K  31*Great Astronomical Program (39.22)
DAlmanac_Exe.lha    misc/sci   440K  20*Great Astronomical Program (39.26)
DAlmanac_Exe.lha    misc/sci   470K   0 Great Astronomical Program (39.30)
DAlmanac_Extra.lha misc/sci    12M  29*Extra Database for Digital Almanac 39.22+
DAlmana_Exe.lha     misc/sci   366K  63*Great Astronomical Program (V39.9)
Deduce122.lha       misc/sci    57K 202*A deductive reasoning AI program
DER_PROZESS.lha     misc/sci   154K 205*Energieanlagenplaner, german only
DER_PROZESS.lha     misc/sci   201K 134*A programme for industrial pipe and process ←
   engine
Doroty_1_1.lha      misc/sci    90K 139*Calculates isostatic frames - civ. eng.
dproc128.lha        misc/sci   208K 303*Mathematical dataprocessor - update to v1 ←
   .264
DynamicSkies.lha    misc/sci   270K 266*Astronomy toolbox
E12.lha             misc/sci    13K  68*Best match a resistance with the E12 series
EasySTAT.lha        misc/sci    96K  38*Statistics Program
EBrushes_10.lha     misc/sci    25K  83*Brushes for Electronic circuit design
Electrics_1_0.lha   misc/sci   160K 171*Digital circuit designer, version 1.0
ElectroCAD.lha      misc/sci   178K 193*Electronic CAD Package
elements.lha        misc/sci    53K 355*Interactive Table of Elements
eliza.lha           misc/sci    28K 182*A classic AI therapist
EltronSch.lha       misc/sci   261K 122*Professional Electronic Schematic Capture ←
   Symbols
ephem.lha           misc/sci   118K   8 Display ephemerides for all the planets
Ephemer.lha         misc/sci    58K 408*Calculate positions of sun/moon/planets
Ephem_bin.lha       misc/sci   104K 332*Astronomical software, binaries
Ephem_src.lha       misc/sci   127K 341*Astronomical software, binaries
epi_sim.lha         misc/sci    17K 154*Epi-Sim V1.5 Simulates bilological robber- ←
   prey rel
epi_sim.lha         misc/sci    19K 119*V1.6 Simulates robber prey relations
evoluzione.lha      misc/sci    10K 131*A microbical population on your screen
FaseLuna13.lha      misc/sci   187K 128*V1.3 bugs fix. Planets/Houses Astrology
fields.lha          misc/sci    23K 119*V1.0 Simulates movement in E- B- or Grav ←
   Fields
```

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Filters.lha        misc/sci     15K 266*GUI based RC filter design program. V1.2
FIRDesign.lha      misc/sci     96K 188*FIR Filter Designer V1.00
firdesign.lha      misc/sci    103K 148*FIR Filter Designer V1.1
FIRDesign.lha      misc/sci    121K 137*FIR Filter Designer V1.2
FIRDesign2.lha     misc/sci    165K  57*FIR Filter Designer V2.0
FIRDesign2.lha     misc/sci    170K  29*FIR Filter Designer V2.3
Framsticks.lha     misc/sci    475K  36*3D Artificial Life Evolution Simulator
Framsticks.lha     misc/sci    508K  22*3D Artificial Life Evolution Simulator
fuzzcont.lha       misc/sci     85K 133*Fuzzy Control Simulation
GalactCollisio.lha misc/sci     65K 198*Galaxy generates anim of 2 galaxies ←
   colliding
GBF.lha            misc/sci     47K   3 Life on other planets
gfft_1_12.lha      misc/sci    296K 234*FFT spectrum analysis of sample files
Gleichung.lha      misc/sci     28K 290*A program to solve linear equations. Needs ←
   2.04 or
graph306.lha       misc/sci    130K  99*Graphwrite3.06 PD Graphing calc&fitting
GraviSimu11.lha    misc/sci     76K 243*Excellent Gravity Simulation Package with ←
   MUI
Graviton.lha       misc/sci    274K 144*Potential Distribution Displayer, AGA
Gravity.lha        misc/sci     21K 426*Simulates astronomical object movements. V1 ←
   .0
Gravity_Well.lha   misc/sci     39K 493*Celestial motion simulator, up to 20 obj
GravSim.lha        misc/sci     31K 505*Animate up to 6 planetary masses. V1.50
gridloc.lha        misc/sci     48K 234*(AMOS) Amateur Radio grid square calc
Hypocycloids.lha   misc/sci     31K 609*Electronic spirograph program.
LanguageTeachr.lha misc/sci    141K 140*Vokabeltrainer
LDI.lha            misc/sci      8K 207*Helps you to have lucid dreams. V1.08
LDI.lha            misc/sci     12K 167*Helps you to have lucid dreams. V1.10
life.lha           misc/sci      1K  98*Small but big life simulator!
LIPv1_4.lha        misc/sci     70K 207*Uses audio suggestion to attempt to induce ←
   lucid d
lipv1_5.lha        misc/sci     70K 148*Program for using audio suggestion to help ←
   induce
LogEv10.lha        misc/sci     53K 295*cmd-line simulation of logic circuits
LogicShop_v1_1.lha misc/sci     13K 295*Build and test logic circuits with an ←
   intuition in
LogicSim10_Spa.lha misc/sci      3K 145*Spanish catalog for Logic Simulator v1.0
LogicSim11.lha     misc/sci    213K 143*Logic circuit simulator v1.1
LogicSm.lha        misc/sci    196K 153*Logic circuit simulator with GUI
LogicSmDan.lha     misc/sci      3K 138*Danish catalog for LogicSim 1.1
LogicSmSpa.lha     misc/sci      3K 122*Spanish catalog for LogicSim 1.1x
LogicSm_Swe.lha    misc/sci      5K 149*Swedish catalog for LogicSimulator (ver. ←
   1.0)
log_040.lha        misc/sci    709K 103*Digital/Analog circuit simulator with ←
   schematic ed
log_bin.lha        misc/sci    797K 103*Digital/Analog circuit simulator with ←
   schematic ed
log_doc.lha        misc/sci    352K 103*Digital/Analog circuit simulator with ←
   schematic ed
log_fpu.lha        misc/sci    705K 103*Digital/Analog circuit simulator with ←
   schematic ed
log_lib.lha        misc/sci    108K 103*Digital/Analog circuit simulator with ←
   schematic ed
lpdemo101.lha      misc/sci     39K 324*Digital Logic Circuit Simulator
maschcal.lha       misc/sci     34K  72*Small program for mech. engineers (german)
messlabor.lha      misc/sci     44K 191*Plots x/y Datas, now with little EPS- ←
   Support
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messlaborV1_2.lha   misc/sci    82K 177*Analyse and plot datas with EPS-Support
MLSv1_7.lha         misc/sci    28K 217*Performs Least Squares fit on Data
MN3A.lha            misc/sci    57K 222*An antenna design program. V1.2
MoleWt.lha          misc/sci    23K 411*Molecular weight calculator. V1.01
MoPac5.lha          misc/sci   1.7M 135*Semi-empirical molecular orbital package
MTRAINER.lha        misc/sci   143K 248*Advanced Morse Tutor. OS 2.0+ required
mtrainer13.lha      misc/sci   166K 200*Tutorial for learning Morse code
multiplot.lzh       misc/sci   329K 289*Version XLNf v1.06 of scientific data  ←
    plotter
NeuralNet.lha       misc/sci    11K 497*Example of Neural Net programming.
Neural_Nets.lha     misc/sci    24K 543*Neural network example.
Neuro.lha           misc/sci    75K 373*Neural network simulator. V1.0
NeuronalNets.lha    misc/sci    61K 469*Neuronal Nets with Hopfield/Hamming alg.
nnn.lha             misc/sci    81K 182*Nnn backpropagation neural network v1.35
OPlotV1_99b.lha     misc/sci   339K 243*The Amiga-2D-Plot-Program (replaces V1.99)
orbit.lha           misc/sci    67K   6 Shows the satelittes
Oscillograph.lha    misc/sci    49K 300*Emulation of an oscillograph, V2.0
p2ag.lha            misc/sci     7K 208*'Prosite' to AmigaGuide converter.
pcbdesigner.lha     misc/sci    61K  87*Tool for PCB designing - BLABLA PRODUCT
PCBTool.lha         misc/sci    57K 543*PC board layout program. V2.6
PetitChimiste.lha   misc/sci    95K 101*A 3D presentation tool for chemical  ←
    molecules
PetitChimiste.lha   misc/sci   195K  60*A 3D presentation tool for chemical  ←
    molecules
PetitChimiste.lha   misc/sci   273K  27*A 3D presentation tool for chemical  ←
    molecules
physics.lha         misc/sci   319K  95*Interactive educational demo *5DSoftware*
piluigi.lha         misc/sci    20K  37*Fast calculation of Pi to many digits, 68k+ ←
    PPC
PINQ.lha            misc/sci   161K 123*If you eat then you need this program.
Planetarium.lha     misc/sci    58K 296*Astronomy. Planet animations. V1.0
Plot6.lha           misc/sci   105K 609*A star plotting program.
Pl_2_50.lha         misc/sci   962K 180*Freeware planetarium; lots of features
Pl_2_51.lha         misc/sci   1.1M 169*Planetarium simulation; Vers. 2.51
pl_3_0.lha          misc/sci   643K 115*Planetarium simulation; Vers. 3.0
pl_pix.lha          misc/sci   618K 115*Additional pictures for Planetarium 3.0
PPCtroepfel.lha     misc/sci    39K  55*Calc. of Pi and e to many digits (V1.01),  ←
    PPC
Predator.lha        misc/sci   517K 130*Protein secondary structure prediction
PRIME.lha           misc/sci    13K 271*Calculates prime numbers, fast.
prosite.lha         misc/sci   833K 208*Protein families database. Amigaguide  ←
    hypertext.
prosite.lha         misc/sci   621K 153*Prosite.doc database V13.0
PSB.lha             misc/sci    22K 153*Prosite Browser V1.00
PSB.lha             misc/sci    28K 126*IDEA TEAM - Prosite Browser V1.09
PSBguide_esp.lha    misc/sci     8K 113*Spanish translation of PSB.guide V1.09
PSB_110.lha         misc/sci    28K 105*IDEA TEAM - Prosite Browser V1.10
PSB_111.lha         misc/sci    35K  63*IDEA TEAM - Prosite Browser V1.11 (now  ←
    localized)
pse.lha             misc/sci    31K 148*Periodensystem der Elemente, germ.  ←
    Guidefile
PSE_12.lha          misc/sci   145K 133*Periodic table of the elements in germ.,  ←
    french, e
pulito.lha          misc/sci   125K 123*To solve linear programming problems(Ita/ ←
    Eng)
Quine1_0.lha        misc/sci    11K  94*Quine McCluskey function resolver (MUI)
r4utils.lha         misc/sci   452K 193*Restore R4 images with Lucy-Richardson
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RARSAmi_2lite.lha    misc/sci    55K 203*RARS_Amiga for 020+ and no fpu
RARS_Amiga_3.lha     misc/sci   249K 196*Robot Auto Racing Simulation
Regression.lha       misc/sci     1K 201*Extension to TurboCalc V2.0
RelVel.lha           misc/sci    21K  60*Shell based True Wind Speed & Direction  ←
    Calculator
RexxPlPlot.lha       misc/sci   423K 477*Lib of C funcs for scientific plotting. V0 ←
    .3
R_MORSE1_1.lha       misc/sci    16K 249*A Morse tutor, works on any Amiga
R_WEFAX1_1.lha       misc/sci   164K 249*A WeFAX RX. TNC, OS2.0+, 1M CHIP req.
satelit12.lha        misc/sci    23K  81*Satellite Finder for TV
SatTrack_v42.lha     misc/sci   321K 233*A satellite tracking program
SCAN.lha             misc/sci   393K 146*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN8800.lha         misc/sci   648K 195*Controller for FRG-8800, database for Short ←
    -Wave-L
SCAN8800.lha         misc/sci   567K  76*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_881.lha         misc/sci   140K 146*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_881.lha         misc/sci   146K 111*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_881.lha         misc/sci   161K  76*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T.lha           misc/sci   139K 146*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T.lha           misc/sci   146K 111*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T.lha           misc/sci   161K  76*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T40.lha         misc/sci   140K 146*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T40.lha         misc/sci   146K 111*Controller for receiver FRG-8800, database  ←
    for Sho
SCAN_T40.lha         misc/sci   160K  76*Controller for receiver FRG-8800, database  ←
    for Sho
SchematiCAD.lzh      misc/sci    82K 121*Version 1.7 of this Superb Electronic  ←
    Design Tool.
ScienceDemos.lha     misc/sci    15K 609*Some science demos.
SciSubr.lha          misc/sci   467K 562*DECUS Scientific Subroutine Package.
secage.lha           misc/sci    28K  37*Display age in seconds/Date calculation
secant.lzh           misc/sci    31K 269*Amiga scientific calculator util.
SeqGen.lha           misc/sci    54K 152*Peptide sequence editor/generator 1.0
SeqGen.lha           misc/sci    78K 109*Peptide sequence editor. V1.1
Sicehi_10.lha        misc/sci    81K  81*Hidroelectric power plant simulator
Sisys000.lha         misc/sci   105K 252*z-funct plotter 68000bin (need Common)
Sisys020.lha         misc/sci   106K 252*z-funct plotter 68020bin (need Common)
SisysCom.lha         misc/sci    64K 252*z-funct plotter - Common files required
SisysExm.lha         misc/sci   409K 252*z-funct plotter - Exemples (need Common)
SnipDemo.lha         misc/sci    63K 517*Demo of signal processing program. V1.23
SolarSystem.lha      misc/sci    43K 155*Shows the orbits of planets, sats and  ←
    comets (v1.0
Solomite.lha         misc/sci    34K 111*Planet and Sun rise and set calculation
SpAn_v15.lha         misc/sci    23K 161*SpAn v1.5 is a little spectrum analyzer
Splines.lha          misc/sci    44K 222*SAS/C 6.5x port of spline program. V1.1
spontimag10.lha      misc/sci    67K 123*Simple Sim. of magnetization. V1.0
srt101.lha           misc/sci   101K 212*Relativity_Theory.guide V1.0.1, German
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StarChart.lha       misc/sci   169K 543*Intuition based star information program.  ↩
   V1.2
StarCollapse.lha    misc/sci    28K 172*Gravitational collapse of a star cluster
Statistics.lha      misc/sci    51K 125*Statistical Analysis Software
Statistics.lha      misc/sci    66K  96*Statistical Analysis Software
Statistics.lha      misc/sci    69K  57*Statistical Analysis Software
statistics.lha      misc/sci    77K  43*Statistical Analysis Software
SunCalc.lha         misc/sci    17K  61*Shell based Sunrise/Sunset Calculator
SunCalc.lha         misc/sci    40K  51*Sunrise/Sunset Calculator
suncalc_rexx.lha    misc/sci     5K  57*SunCalc.rexx v1.02 for use with SunCalc
SynWorksDemAGA.lha  misc/sci   269K 281*Neural networks tool
S_PSPatch.lha       misc/sci     9K 144*Spice PostScript Patch by Starwave
TheWeb.lha          misc/sci   181K 341*Data Acq. & Processing - Graphic-diagram.  ↩
   V1.1
tierraAmiga.lha     misc/sci   374K  37*Alife simulator Tierra V5.0 by Tom Ray
Troepfel.lha        misc/sci    38K 163*Calc. of Pi and e to many digits (V1.01)
units_1_0.lha       misc/sci    32K 238*Convert among many units (UNIX 'units')
until.lha           misc/sci   145K 103*Graphics editor
until_040.lha       misc/sci   144K 103*Graphics editor
until_doc.lha       misc/sci    62K 103*Graphics editor
until_fpu.lha       misc/sci   144K 103*Graphics editor
until_lib.lha       misc/sci    12K 103*Graphics editor
util.lha            misc/sci    52K 103*ChipMunk Package - additional tools
util_fpu.lha        misc/sci    49K 103*ChipMunk Package - additional tools
view.lha            misc/sci   227K 103*Data manipulation and plotting tool
view_040.lha        misc/sci   230K 103*Data manipulation and plotting tool
view_doc.lha        misc/sci   223K 103*Data manipulation and plotting tool
view_fpu.lha        misc/sci   229K 103*Data manipulation and plotting tool
view_lib.lha        misc/sci    28K 103*Data manipulation and plotting tool
VWorlds21.lha       misc/sci   1.2M 145*Images of sky from any planet or comet.
VWorlds30.lha       misc/sci   2.2M  68*Images of sky from any planet or comet.
WCLOCK.lha          misc/sci    22K 248*Useful clock utility for OMs
Widerstand1_0.lha   misc/sci    21K 210*Resistor values from color codes
wol_040.lha         misc/sci   186K 103*IC layout tool
wol_bin.lha         misc/sci   188K 103*IC layout tool
wol_doc.lha         misc/sci   240K 103*IC layout tool
wol_fpu.lha         misc/sci   185K 103*IC layout tool
WorldMap_bin.lha    misc/sci   1.1M   4 Map of the world (5120 x 3072), binaries,  ↩
   sourceco
WorldMap_dat1.lha   misc/sci   4.1M   7 Huge map of the world (5120 x 3072), data
WorldMap_dat2.lha   misc/sci   4.0M   7 Huge map of the world (5120 x 3072), data
WorldMap_dat3.lha   misc/sci   4.4M   7 Huge map of the world (5120 x 3072), data
xmgr20_docs.lha     misc/sci   325K 196*ACE/gr graphics for exploratory data  ↩
   analysis 020+
xmgr23.lha          misc/sci   394K 185*ACE/gr graphics for exploratory data  ↩
   analysis 020+
xmgr24c.lha         misc/sci   413K 163*ACE/gr graphics for exploratory data  ↩
   analysis 020+
xmgr24_docs.lha     misc/sci   228K 164*Docs for ACE/gr graphics for exploratory  ↩
   data anal
xmgr24_example.lha misc/sci   275K 164*Examples for ACE/gr graphics for  ↩
   exploratory data
xmgr_020.lha        misc/sci   433K  88*ACE/gr graphics for exploratory data  ↩
   analysis 020+
xmgr_040.lha        misc/sci   418K  88*ACE/gr graphics for exploratory data  ↩
   analysis 040+
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xspringies2.lha     misc/sci   125K 200*Xspringies - a mass and spring simulation  ←
   system.
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