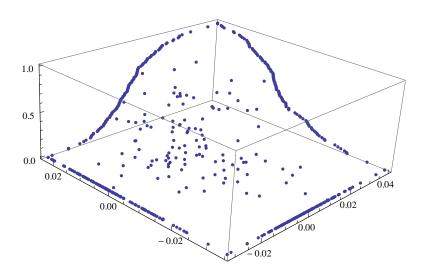
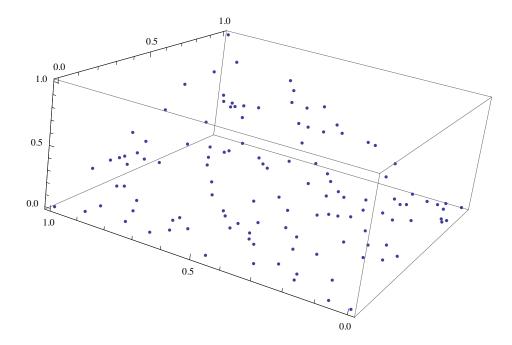
```
{hedge, dax, d2} = Transpose [Import ["c:\\kurse.dat", "Table"]];
ListPlot[{hedge, dax, d2}]
6000
5000
4000
3000
                             60
                                                        120
hedge = Log[hedge]; dax = Log[dax]; d2 = Log[d2];
hedge = Differences[hedge];
dax = Differences[dax]; d2 = Differences[d2];
w = Transpose[{hedge, dax, d2}];
w = Sort[w, #1[[1]] < #2[[1]] &];
hedge = Transpose[w][[1]];
dax = Transpose[w][[2]];
d2 = Transpose[w][[3]];
ListPlot[Transpose[w][[1;; 3]], PlotRange \rightarrow All]
 0.06
 0.04
 0.02
-0.02
-0.04
min0 = Min[Transpose[w][[1]]]; wN = Length[hedge]; nn = wN;
max0 = Max [Transpose[w][[1]]];
min1 = Min[Transpose[w][[2]]];
max1 = Max [Transpose[w][[2]]];
```



ListPointPlot3D[Co]



```
h = Import["C:\\delaunay.txt", "Table"];
c = Drop[Import["c:\\empcopula.dat", "Table"], 1];
g = Import["c:\\copulasample.txt", "Table"];
cc = Drop[Import["c:\\empcopula.dat", "Table"], 1];
cc = Transpose[Transpose[cc][[1;; 3]]];
hh = Table[Subsets[h[[i]], {3}], {i, Length[h]}][[1;; Length[h]]];
Graphics3D[{{PointSize[Large], Red, Table[Point[cc[[i]]], {i, Length[cc]}]},
    {PointSize[Large], Blue, Point[#] & /@ {cc[[1]], cc[[2]], cc[[3]], cc[[5]], cc[[4]]}},
    {Opacity[0.1], Table[Polygon[cc[[#+1]] & /@ hh[[j]]], {j, Length[hh]}}]}
```

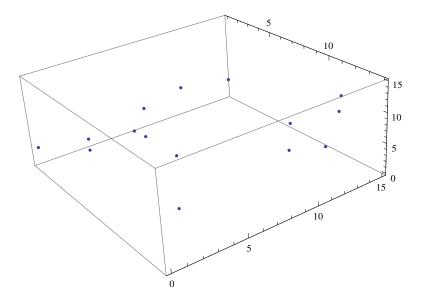
```
n = 15; Export ["c:\\empCopula.dat",
Join [RandomInteger [n, {n, 4}], {{0, 0, 0, 0}, {1, 1, 1, 1}, {0, 0, 1, 0},
{0, 1, 0, 0}, {1, 0, 0, 0}, {1, 1, 0, 0}, {1, 0, 1, 0}, {0, 1, 1, 0}]]
c:\empCopula.dat

i = 22; ab = Inverse [{#[[1]], #[[2]], #[[3]], 1} & /@ (cc[[#+1]] & /@ h[[i]])].
(#[[4]] & /@ (c[[#+1]] & /@ h[[i]])); h[[i]]
ab // N

t[u_] := ab.Append [u, 1]; t[cc[[#+1]]] - c[[#+1, 4]] & /@ h[[i]]
{2, 4, 7, 14}
{0.628319, -0.557522, -0.823009, 15.4159}
{0, 0, 0, 0, 0}
```

```
c[[1, 4]]
14
cc[[1, 3]]
5
h = .; i = .; a = .; c = .;
f[i_] := {C[[Triangs[[p, i]], e]], C[[Triangs[[p, i]], 1]], C[[Triangs[[p, i]], 2]], 1}
h[[37]]
{8, 11, 12, 13}
```

ListPointPlot3D[cc]



```
CForm [Det[{f[a], f[b], f[c], {A[[e]], A[[1]], A[[2]], 1}}]]
Part::pspec: Part specification p is neither an integer nor a list of integers. >>>
Part::pspec: Part specification Triangs[p, a] is neither an integer nor a list of integers. >>
Part::pspec: Part specification p is neither an integer nor a list of integers. »
 General::stop: Further output of Part::pspec will be suppressed during this calculation. >>
Part::partd: Part specification A[1] is longer than depth of object. >>
Part::partd: Part specification A[2] is longer than depth of object. >>
A[e]*C[Triangs[p][a]][2]*C[Triangs[p][b]][1] - A[2]*C[Triangs[p][a]][e]*C[Triangs[p][b]][1]
               A[e] *C[Triangs[p][a]][1] *C[Triangs[p][b]][2] + A[1] *C[Triangs[p][a]][e] *C[Triangs[p][b]][b] *C[Triangs[p][b]
               A[2]*C[Triangs[p][a]][1]*C[Triangs[p][b]][e] - A[1]*C[Triangs[p][a]][2]*C[Triangs[p][b]
               A[e]*C[Triangs[p][a]][2]*C[Triangs[p][c]][1] + A[2]*C[Triangs[p][a]][e]*C[Triangs[p][c]
               A[e]*C[Triangs[p][b]][2]*C[Triangs[p][c]][1] - C[Triangs[p][a]][e]*C[Triangs[p][b]][2]*
               A[2]*C[Triangs[p][b]][e]*C[Triangs[p][c]][1] + C[Triangs[p][a]][2]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][b]][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C[Triangs[p][e]*C
               A[e]*C[Triangs[p][a]][1]*C[Triangs[p][c]][2] - A[1]*C[Triangs[p][a]][e]*C[Triangs[p][c]][c]
                A[1]*C[Triangs[p][b]][e]*C[Triangs[p][c]][2] - C[Triangs[p][a]][1]*C[Triangs[p][b]][e]* (C[Triangs[p][b])[e]* (C[Triangs[p][b])[e
               A[2]*C[Triangs[p][a]][1]*C[Triangs[p][c]][e] + A[1]*C[Triangs[p][a]][2]*C[Triangs[p][c]][e] + A[1]*C[Triangs[p][a]][e]
               A[2]*C[Triangs[p][b]][1]*C[Triangs[p][c]][e] - C[Triangs[p][a]][2]*C[Triangs[p][b]][1]*
               A[1]*C[Triangs[p][b]][2]*C[Triangs[p][c]][e] + C[Triangs[p][a]][1]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][2]*C[Triangs[p][b]][
 j=.
f[j]
Part::pspec: Part specification j is neither an integer nor a list of integers. \gg
Part::partd: Part specification C[1,1] is longer than depth of object. \gg
Part::partd: Part specification C[2, 2] is longer than depth of object. \gg
Part::partd: Part specification C[3,3] is longer than depth of object. \gg
 General::stop: Further output of Part::partd will be suppressed during this calculation. >>
Part::pspec: Part specification j is neither an integer nor a list of integers. >>
 \{C[j, e], C[1, 1], C[2, 2], C[3, 3]\}
```