/\* ----------------------------------------------------------------------------

\* This file was automatically generated by SWIG (http://www.swig.org).

\* Version 4.0.2

\*

\* Do not make changes to this file unless you know what you are doing--modify

\* the SWIG interface file instead.

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package com.twitter.ann.faiss;

public class OPQMatrix extends LinearTransform {

private transient long swigCPtr;

protected OPQMatrix(long cPtr, boolean cMemoryOwn) {

super(swigfaissJNI.OPQMatrix\_SWIGUpcast(cPtr), cMemoryOwn);

swigCPtr = cPtr;

}

protected static long getCPtr(OPQMatrix obj) {

return (obj == null) ? 0 : obj.swigCPtr;

}

@SuppressWarnings("deprecation")

protected void finalize() {

delete();

}

public synchronized void delete() {

if (swigCPtr != 0) {

if (swigCMemOwn) {

swigCMemOwn = false;

swigfaissJNI.delete\_OPQMatrix(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public void setM(int value) {

swigfaissJNI.OPQMatrix\_M\_set(swigCPtr, this, value);

}

public int getM() {

return swigfaissJNI.OPQMatrix\_M\_get(swigCPtr, this);

}

public void setNiter(int value) {

swigfaissJNI.OPQMatrix\_niter\_set(swigCPtr, this, value);

}

public int getNiter() {

return swigfaissJNI.OPQMatrix\_niter\_get(swigCPtr, this);

}

public void setNiter\_pq(int value) {

swigfaissJNI.OPQMatrix\_niter\_pq\_set(swigCPtr, this, value);

}

public int getNiter\_pq() {

return swigfaissJNI.OPQMatrix\_niter\_pq\_get(swigCPtr, this);

}

public void setNiter\_pq\_0(int value) {

swigfaissJNI.OPQMatrix\_niter\_pq\_0\_set(swigCPtr, this, value);

}

public int getNiter\_pq\_0() {

return swigfaissJNI.OPQMatrix\_niter\_pq\_0\_get(swigCPtr, this);

}

public void setMax\_train\_points(long value) {

swigfaissJNI.OPQMatrix\_max\_train\_points\_set(swigCPtr, this, value);

}

public long getMax\_train\_points() {

return swigfaissJNI.OPQMatrix\_max\_train\_points\_get(swigCPtr, this);

}

public void setVerbose(boolean value) {

swigfaissJNI.OPQMatrix\_verbose\_set(swigCPtr, this, value);

}

public boolean getVerbose() {

return swigfaissJNI.OPQMatrix\_verbose\_get(swigCPtr, this);

}

public void setPq(ProductQuantizer value) {

swigfaissJNI.OPQMatrix\_pq\_set(swigCPtr, this, ProductQuantizer.getCPtr(value), value);

}

public ProductQuantizer getPq() {

long cPtr = swigfaissJNI.OPQMatrix\_pq\_get(swigCPtr, this);

return (cPtr == 0) ? null : new ProductQuantizer(cPtr, false);

}

public OPQMatrix(int d, int M, int d2) {

this(swigfaissJNI.new\_OPQMatrix\_\_SWIG\_0(d, M, d2), true);

}

public OPQMatrix(int d, int M) {

this(swigfaissJNI.new\_OPQMatrix\_\_SWIG\_1(d, M), true);

}

public OPQMatrix(int d) {

this(swigfaissJNI.new\_OPQMatrix\_\_SWIG\_2(d), true);

}

public OPQMatrix() {

this(swigfaissJNI.new\_OPQMatrix\_\_SWIG\_3(), true);

}

public void train(long n, SWIGTYPE\_p\_float x) {

swigfaissJNI.OPQMatrix\_train(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x));

}

}